

UD COMPONENT SYSTEM/COMPACT HI-FI SYSTEM

# RXD-G3/G4/G5/G31/G51

## SERVICE MANUAL

(UD-305/315/405/505/515)

# KENWOOD

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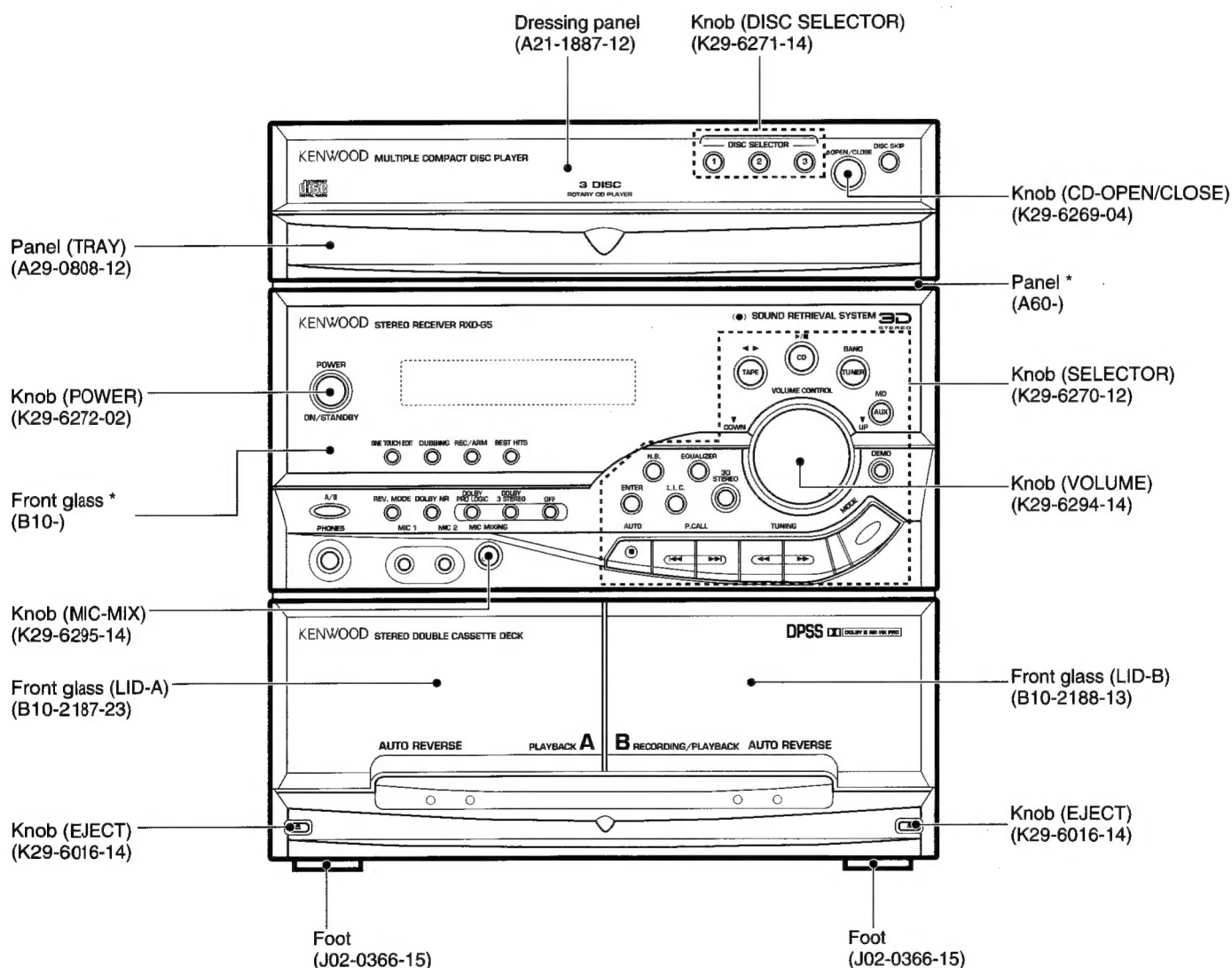


Illustration is RXD-G5.

\* Refer to parts list on page 63.

### PRECAUTIONS FOR REPAIR

- For the disassembly of repair, see Service Manual (B51-5091-00) of RXD-F3/F4/F41/F42.
- For the operation of the CD and the cassette (A or B deck) mechanism, see Service Manual (B51-4869-00) of RXD-C3/C3L.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Corp. certifies this equipment conforms to DHF-tions No. 21 CFR 1040. 10, Chapter 1, Subchapter J.

**DANGER : Laser radiation when open and interlock defeated - AVOID DIRECT EXPOSURE TO BEAM.**

# RXD-G3/G4/G5/G31/G51

## CONTENTS / ACCESSORIES

### Contents

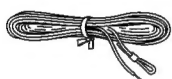
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Please see to the following service manual If you need to refer to the circuit description of ICs.

PCB No.	Ref. No.	IC Parts No.	Function	Service manual	
				Model Name	Page
X09	IC5	BU4094BCF	EXPANDER $\mu$ -COM	RXD-F3	P20,22
X28	IC6,7	BU4094BC	EXPANDER $\mu$ -COM	RXD-F3	P20,22
X32	IC6	BU4094BC	EXPANDER $\mu$ -COM	RXD-F3	P20,22
X14	IC2	NJU3718G			
X09	IC6	M65844P	EXPANDER $\mu$ -COM	RXD-F3	P21
			DIGITAL ECHO		P23
X28	IC3	HA12182F	DOLBY IC	RXD-F3	P25~27
X32	IC2	CXD2508AQ	CD DSP	RXD-F3	P28~P30

### Accessories

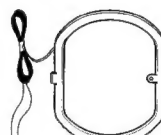
FM indoor antenna (1)  
(T90-0801-05) : K,P,Y,M,I,C,X  
(T90-0809-05) : T,E



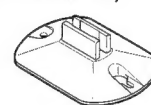
Speaker cord (2)  
(E30-5255-05) : RXD-G3  
(E30-5120-08) : RXD-G4  
(E30-5156-08) : RXD-G5



AM loop antenna (1)  
(T90-0820-05)



Loop antenna stand (1)  
(J19-3645-05)

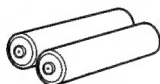


Remote control unit (1)  
(A70-1053-05) : RXD-G3/G31  
(A70-1054-05) : RXD-G4 : T,E  
(A70-1063-05) : RXD-G4 : K,P,Y,M,C,X/G51  
(A70-1055-05) : RXD-G5 : K,P,Y,M,C,X  
(A70-1056-05) : RXD-G5 : T,E

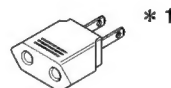


Batteries (R6/AA) (2)

(-)



AC plug adaptor (1)  
(E03-0115-05)



\* 1

Insulators (8)  
(J02-1155-04)  
: RXD-G4/G5 K.P



\* 2

\* 1 Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use is necessary.)

\* 2 For U.S.A. and Canada only, please attach to the speaker bottom.

### System configuration

SYSTEM NAME	MAIN UNIT	SPEAKERS	OVER CARTON			SPACER
UD-305	RXD-G3	LS-G3	KP H60-0424-04	MX H60-0422-04		
UD-315	RXD-G31	LS-G3		M H60-0450-04	C H60-0451-04	
UD-405	RXD-G4	LS-G4	KP H60-0421-04	MX H60-0418-04	C H60-0419-04	
UD-505	RXD-G5	LS-G4	KP H60-0415-04	MX H60-0414-04	C H60-0413-04	KP H12-2294-04 H12-2295-04
UD-515	RXD-G51	LS-G5		M H60-0448-04	C H60-0449-04	

# RXD-G3/G4/G5/G31/G51

## EXTERNAL VIEW / CAUTIONS

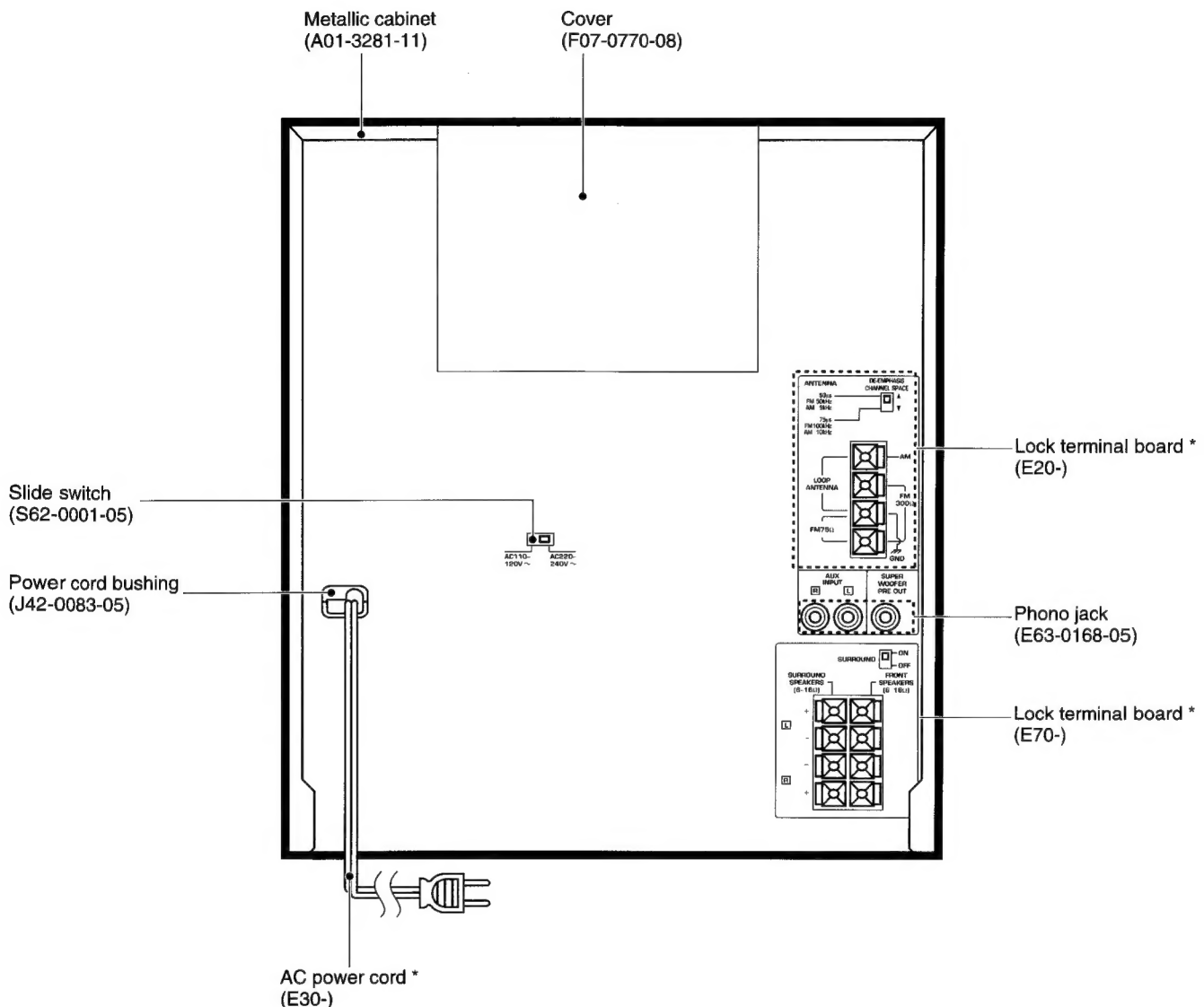


Illustration is RXD-G4.

\* Refer to parts list on page 63.

### Cautions

#### **Beware of condensation**

When water vapor comes into contact with the surface of cold material, water drops are produced. If condensation occurs, correct operation may not be possible, or the unit may not function correctly. This is not a malfunction, however, and the unit should be dried. (To do this, turn the POWER switch ON and leave the unit for several hours.)

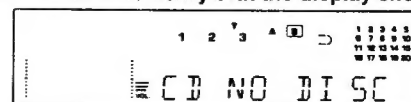
#### **Be especially careful in the following conditions:**

- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

#### **Note related to transportation and movement (CD player)**

Before transporting or moving this unit, carry out the following operations.

1. Turn the power ON but do not load a disc.
2. Wait a few seconds and verify that the display shown appears.



3. Turn the power OFF.

# RXD-G3/G4/G5/G31/G51

## EXTERNAL VIEW

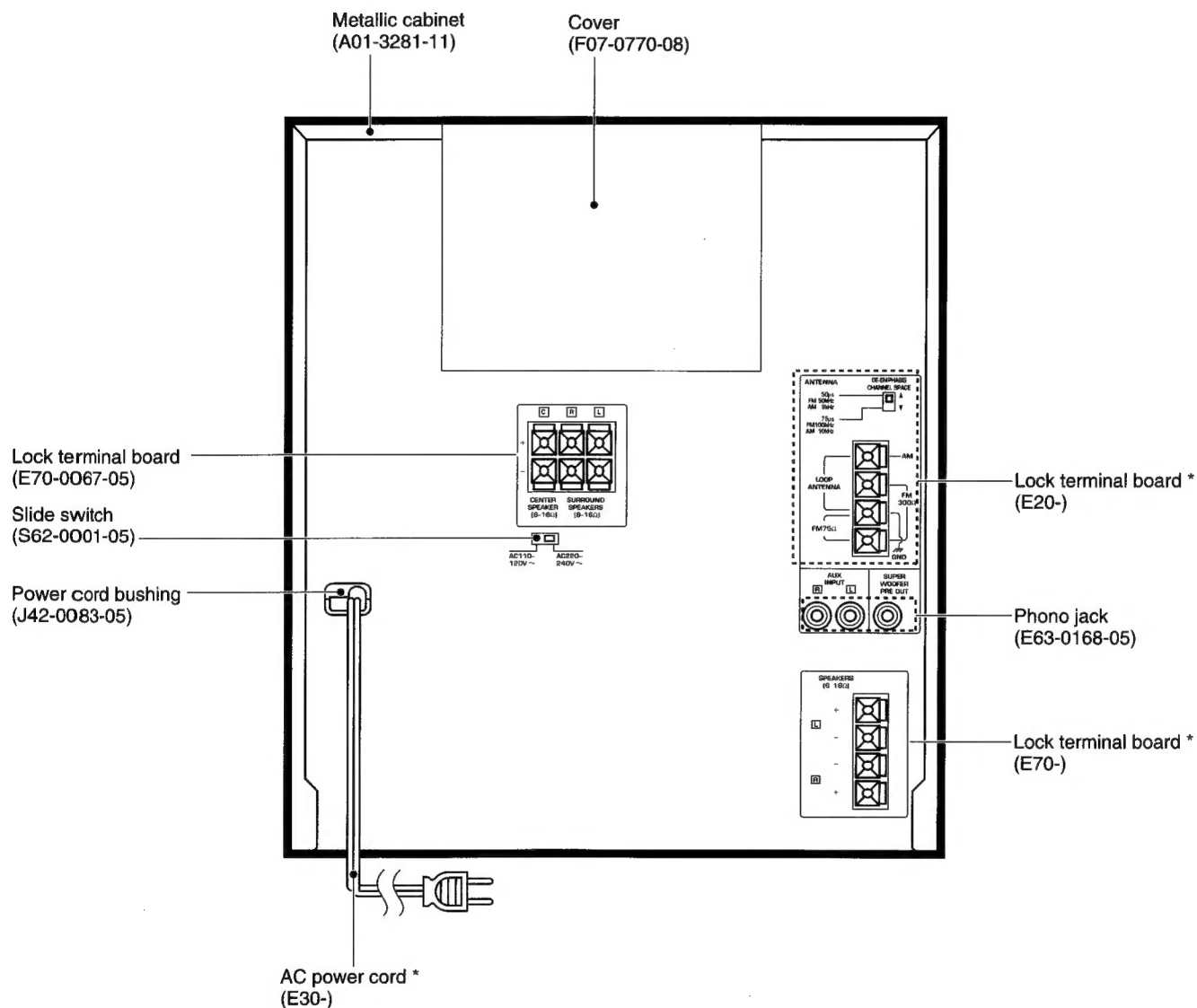
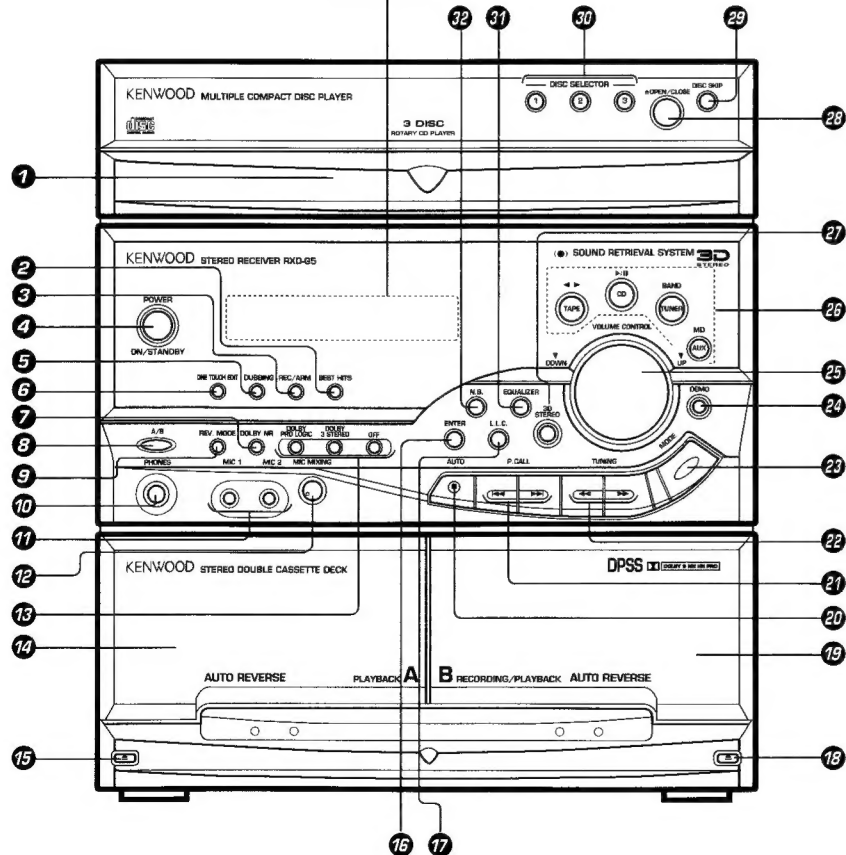


Illustration is RXD-G5.  
 \* Refer to parts list on page 63.



## CONTROLS



## CONTROLS

- ① Disc tray**  
Three discs can be stored.
- ☆ **② BEST HITS key**  
Recording of one title of each stored CD in sequence on tape.
- ③ REC./ARM key**  
Recording is started. When this switch is pressed during recording, an unrecorded (blank) portion of about 4 sec is produced and then the tape stops.
- ④ POWER key**  
Power ON/OFF switching is executed.
- ⑤ DUBBING key**  
The contents of the tape of the A deck are copied to the tape of the B deck.
- ⑥ ONE TOUCH EDIT key**  
When this key is pressed during CD playback, only the title being played at that time will be recorded on tape. When this key is pressed during stop, the CD selected at that time will be recorded on tape from the first title onward.
- ⑦ DOLBY NR key**  
Dolby noise reduction ON/OFF switching is executed.
- ⑧ A/B key**  
The deck to be operated is selected. At the time of power OFF, power save ON/OFF is switched.
- ⑨ REV. MODE key**  
The reverse mode of the deck (both sides, repeated, one side) is switched.
- ⑩ PHONES terminal**  
For connection of a headphone (optional).
- ⑪ MIC 1, MIC 2 terminal**  
For connection of a microphone (optional).
- ⑫ MIC MIXING knob**  
At the time of mic mixing, the balance between the voice signal from the microphone and the playback signal is adjusted.
- ☆ **⑬ Keys related to DOLBY SURROUND**  
**DOLBY PRO LOGIC key**  
DOLBY PRO LOGIC is selected.  
**DOLBY 3 STEREO key**  
DOLBY 3 STEREO is selected.  
**OFF key**  
DOLBY PRO LOGIC or DOLBY 3 STEREO is cancelled.
- ⑭ A deck cassette holder**
- ⑮ A deck eject (▲) key**  
This is used to open the cassette holder at the time of cassette holder removal and insertion.
- ⑯ ENTER key**  
Used for time setting, timer setting, etc.
- ⑰ L.L.C. (Low Level Control) key**  
The level for quiet listening can be set in advance, and one-touch switching is possible.
- ⑱ B deck eject (▲) key**
- ⑲ B deck cassette holder**

- ➊ **AUTO (■) key**  
 For CD, TAPE: Used as the **STOP** key.  
 For TUNER: Used as **AUTO** key for tuning mode switching.  
 At the time of power OFF: Used for time setting.
- ➋ **P.CALL (◀◀ ▶▶) key**  
 For CD: Used as **SKIP** key.  
 For TAPE: Used for skip title selection.  
 For TUNER: Used as the **P.CALL** key for selection of preset stations.
- ➌ **TUNING (◀◀ ▶▶) key**  
 For CD, TAPE: Used as fast forward and rapid reverse key.  
 For TUNER: Used as **TUNING** key to tune in to stations.
- ➍ **MODE key**  
 This key switches the function of the **VOLUME CONTROL** knob. The items which can be selected differ according to the status at that time.
- ➎ **DEMO key**  
 Demonstration ON/OFF is switched.
- ➏ **VOLUME CONTROL knob**  
 Normally this is used for volume adjustment. Depending on the purpose, the function can be switched with the **MODE** key.
- ➐ **Input selector keys**  
 The input source is selected. When a key other than MD (AUX) is pressed while the power is OFF, the power is switched on automatically. When TAPE or CD has been selected and a tape or a disc has been set, playback will start automatically. When the ◀▶ (TAPE) key is pressed during tape playback, the tape running direction is reversed.
- ➑ **3D STEREO key**  
 3D STEREO ON/OFF is switched.
- ➒ **OPEN/CLOSE (▲) key**  
 The disc tray is opened and closed.
- ➓ **DISC SKIP key**  
 The disc for playback (or recording) is selected. This is also used for insertion of a CD to the inside of the disc tray.
- ➔ **DISC SELECTOR key**  
 The disc for playback (or recording) is selected.
- ➕ **EQUALIZER key**  
 The equalizer effect is switched ON/OFF and the type of equalizer effect is selected.
- ➖ **N.B. key**  
 The low sounds are compensated at the time of listening at low volumes.

## NOTE

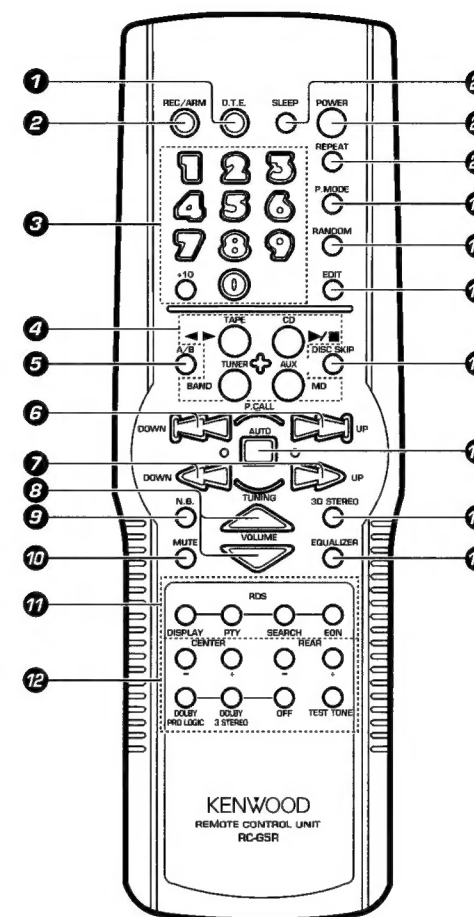
Key-No. MODEL	②	②7	⑬
RXD-G3	BEST HITS	ENHANCE	X
RXD-G4	BEST HITS	3D STEREO	X
RXD-G5	BEST HITS	3D STEREO	O
RXD-G31	DIGITAL ECHO	ENHANCE	X
RXD-G51	DIGITAL ECHO	3D STEREO	X

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- ④ **POWER key**  
Power ON/OFF switching is executed.
- ⑤ **DUBBING key**  
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- ⑧ **A/B key**  
The deck to be operated is selected. At the time of power OFF, power save ON/OFF is switched.
- ⑨ **REV. MODE key**  
The reverse mode of the deck (both sides, repeated, one side) is switched.
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- ⑱ **B deck eject (▲) key**
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- ☆ ㉗ **3D STEREO key**  
3D STEREO ON/OFF is switched.
- ㉘ **OPEN/CLOSE (▲) key**  
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- ㉙ **DISC SKIP key**  
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The low sounds are compensated at the time of listening at low volumes.

### NOTE

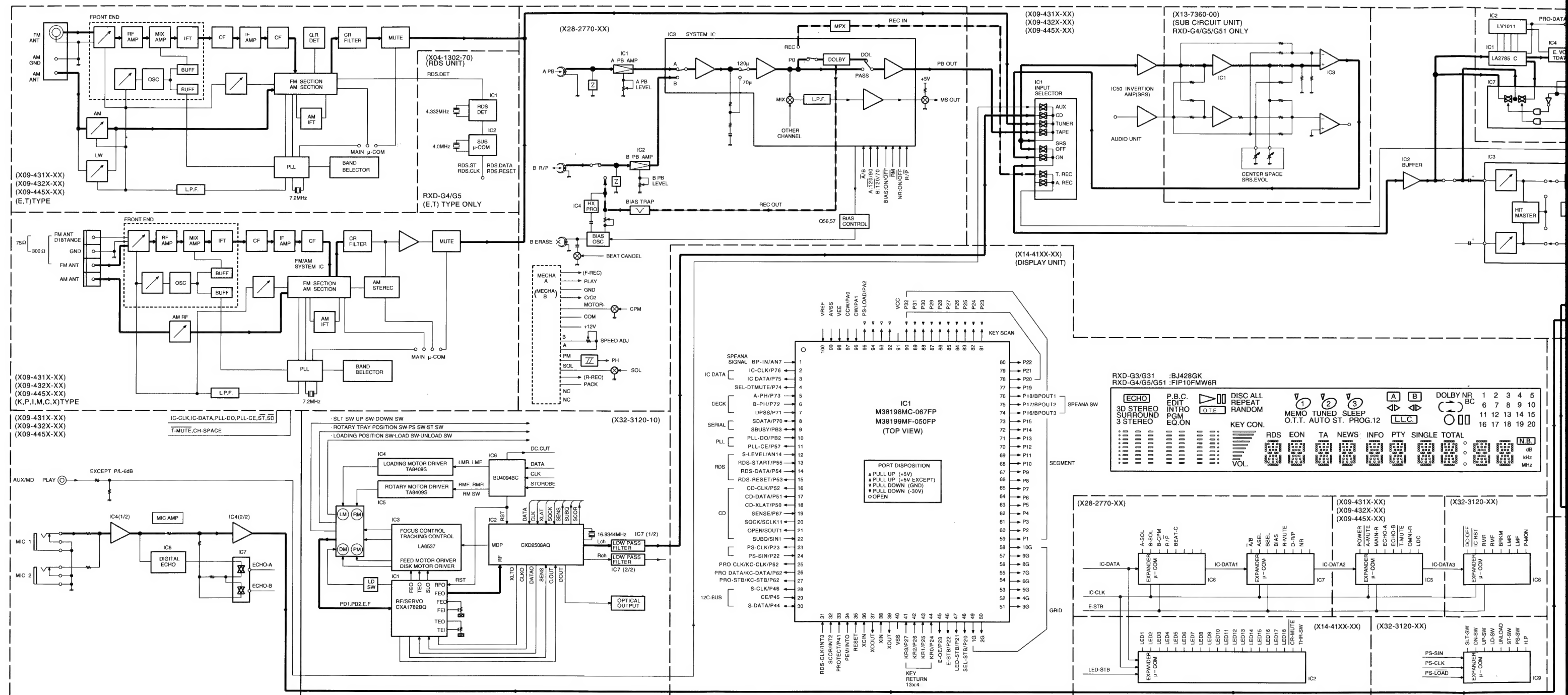
Key-No.	②	⑲	⑬
MODEL			
RXD-G3	BEST HITS	ENHANCE	X
RXD-G4	BEST HITS	3D STEREO	X
RXD-G5	BEST HITS	3D STEREO	O
RXD-G31	DIGITAL ECHO	ENHANCE	X
RXD-G51	DIGITAL ECHO	3D STEREO	X



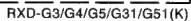
The keys on the remote control unit with the same name as on the main unit have the same function as the keys on the main unit

MODEL	Key-No.	⑪	⑫	⑭
RXD-G3,G31	RC-G3	X	X	ENHANCE
RXD-G4(T,E)	RC-G4R	O	X	3D STEREO
RXD-G4 (K,P,Y,M,C,X)	RC-G4	X	X	3D STEREO
RXD-G51				
RXD-G5(T,E)	RC-G5R	O	O	3D STEREO
RXD-G5 (K,P,Y,M,C,X)	RC-G5	X	O	3D STEREO

- ㉝ **O.T.E. key**  
This key has the same function as the **ONE TOUCH EDIT** key on the main unit.
- ㉞ **REC/ARM key**
- ㉟ **Numeric keys**  
Used as number keys when the input is switched to CD.
- ㊱ **Input selector keys**
- ㊲ **A/B key**
- ㊳ **P.CALL (Preset Call) (◀▶▶▶) keys**
- ㊴ **TUNING (◀▶▶▶) keys**
- ㊵ **VOLUME keys**  
This has the same function as the **VOLUME CONTROL** knob on the main unit. However, the **AI VOLUME** function does not operate.
- ㊶ **N.B. key**
- ㊷ **MUTE key**  
This is used to mute the sound temporarily.
- ㊸ **Keys related to RDS**  
**DISPLAY key**  
The display contents are switched during reception of RDS broadcasts.  
**PTY (Program Type) key**  
This is used to specify the program type when searching for a station.  
**SEARCH key**  
Used to search for a station when the program type has been specified.  
**EON key**  
Used for automatic reception of transmissions of a certain content.
- ㊹ **Keys related to DOLBY SURROUND**  
**CENTER (+ -) key**  
For adjustment of the center level.  
**REAR (+ -) key**  
For adjustment of the rear level.  
**DOLBY PRO LOGIC key**  
**DOLBY 3 STEREO key**  
**OFF key**  
**TEST TONE key**  
Test tone output is switched ON/OFF at the time of center level and rear level adjustment.
- ㊺ **EQUALIZER key**
- ㊻ **3D STEREO key**
- ㊼ **AUTO (■) key**
- ㊽ **DISC SKIP key**
- ㊾ **EDIT key**  
Used for CD edit recording (time edit recording).
- ㊿ **RANDOM key**  
For CD playback, switching is executed between introduction scanning, random playback, and normal playback.
- ㉑ **P.MODE key**  
Used to program the CD playback sequence.
- ㉒ **REPEAT key**  
Used for repeated playback of a CD.
- ㉓ **POWER key**
- ㉔ **SLEEP key**  
Use to set the sleep timer.



# RXD-G3/G4/G5/G31/G51



# RXD-G3/G4/G5/G31/G51

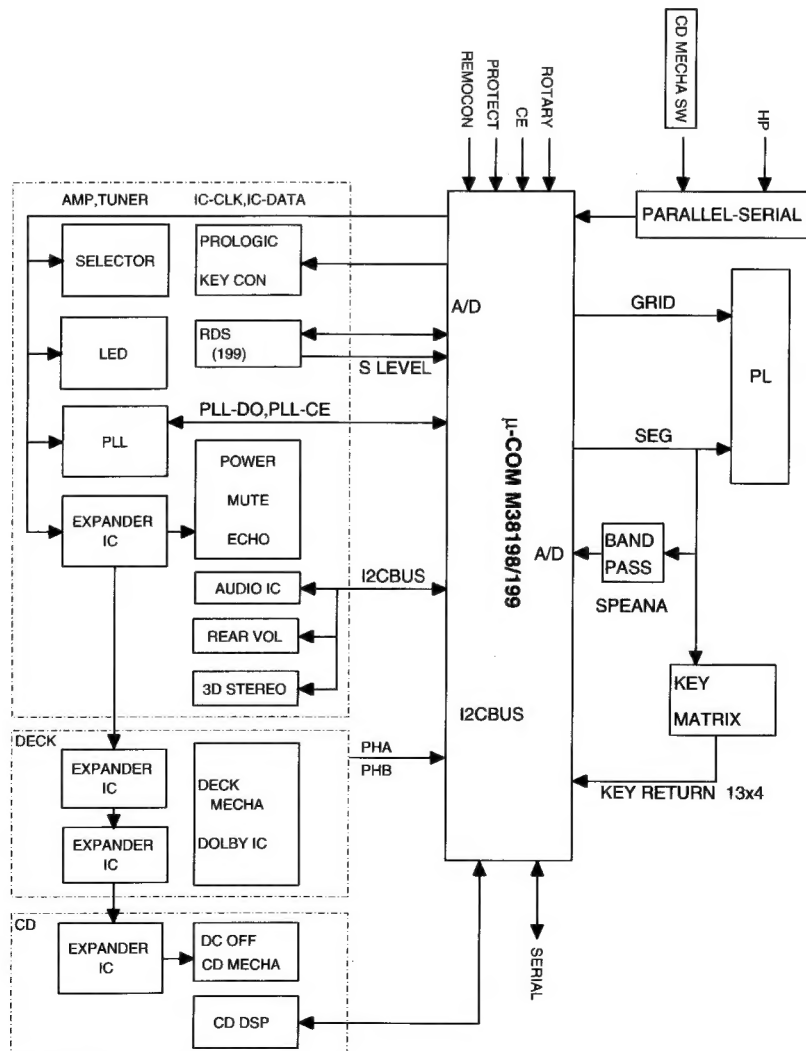
## CIRCUIT DESCRIPTION

### 1. MAIN $\mu$ -COM (M38198MC-069FP/M38198MF-051FP) (X14 : IC 1)

#### 1-1. Function

		RXD-G3		RXD-G4		RXD-G5	RXD-G31	RXD-G51
		K,P	Y,M,X,T,E	K,P	Y,M,I,C,X,T,E	K,P,Y,M,I,C,X,T,E	M,I,C	M,I,C
CD Player		3 DISC						
TUNER	FM Stereo	○						
	LW	T only						
AMP	POWER	50W+50W		70W+70W			50W+50W	70W+70W
	Surround matrix terminal		○		○		○	○
	L.L.C	○						
	SRS(3D stereo)			○				○
	Digital echo						○	
	Best hit	○						
	DOLBY PROLOGIC					○		
	DOLBY 3 stereo					○		
DECK	W-DECK MECHA	FULL LOGIC REVERSE						
	HX PRO			○				○
	Normal speed	○						
	B DECK recording	○						

#### 1-2. Microprocessor periphery block diagram

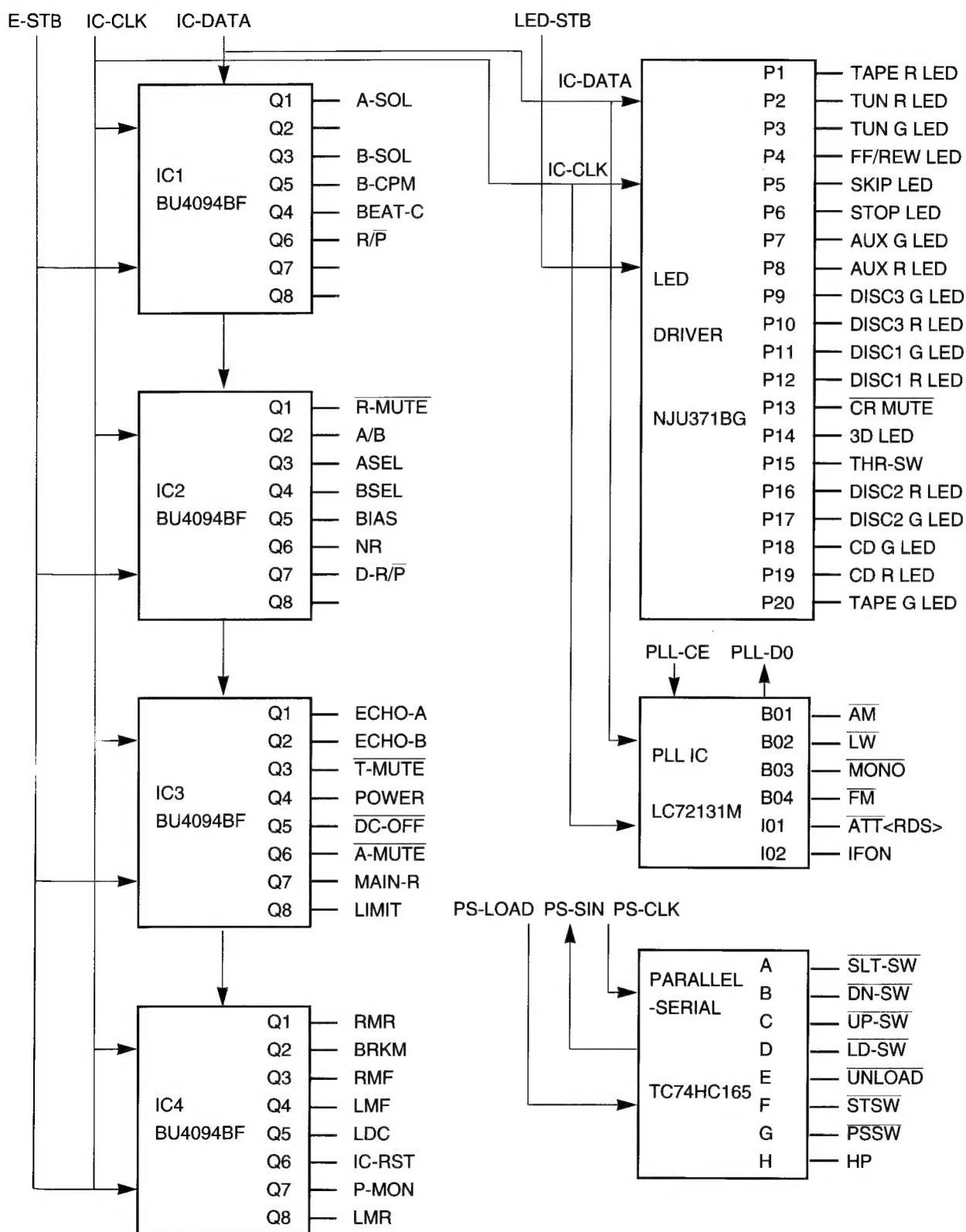




# RXD-G3/G4/G5/G31/G51

## CIRCUIT DESCRIPTION

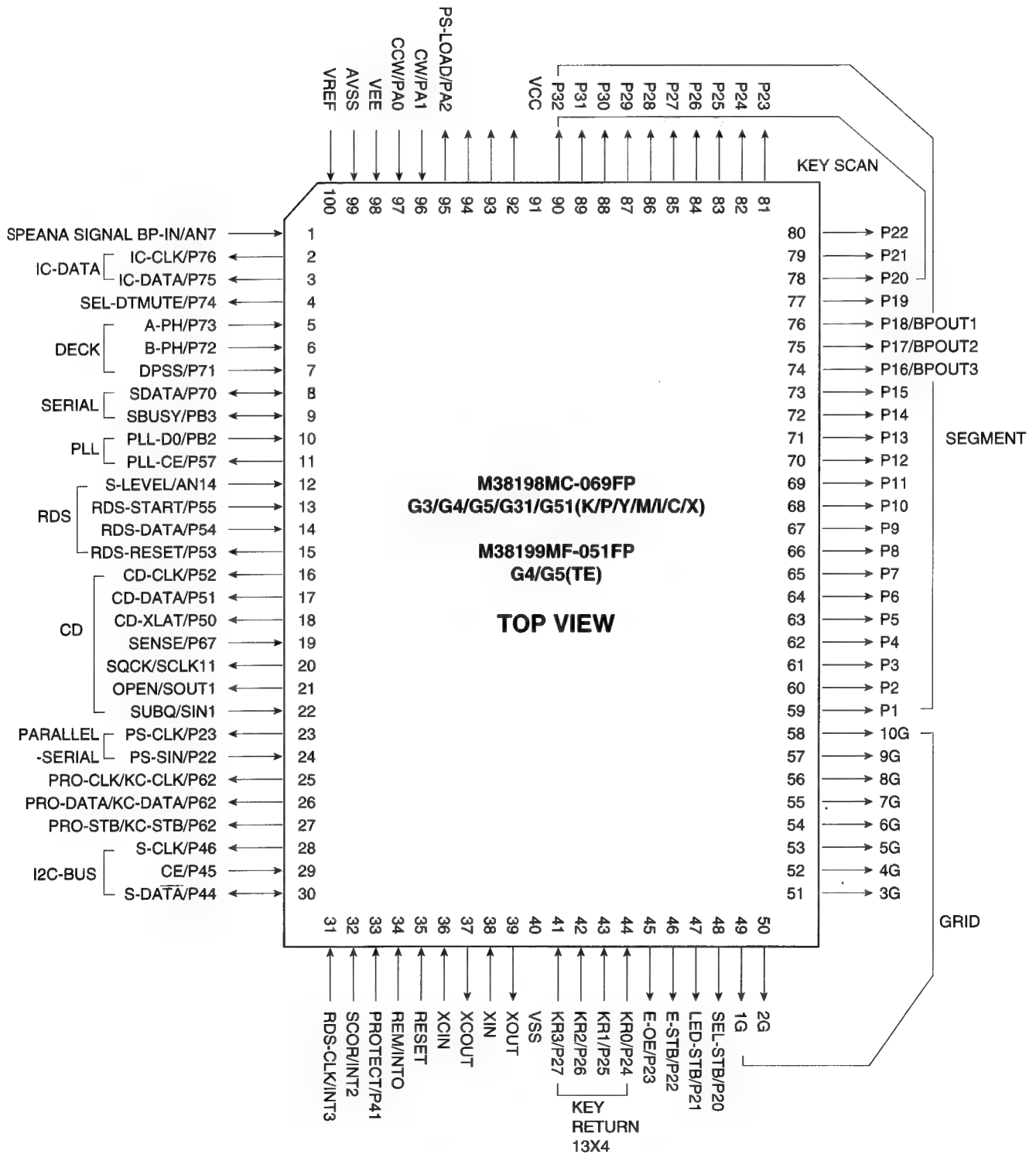
### 1-3. Expander port connection



# RXD-G3/G4/G5/G31/G51

## CIRCUIT DESCRIPTION

### 1-4. Pin connection



# RXD-G3/G4/G5/G31/G51

## CIRCUIT DESCRIPTION

### 1-5. Pin description

Pin No.	I/O	Name	Description
1	I	BP-IN	Speana input(A/D convertor input)
2	O	I C-CLK	IC-CLOCK(BU4094BF ・ NJU7313AM,NJU3718G ・ LC7218,LC83025E)
3	O	IC-DATA	Selector/LED driver/Expander IC data
4	O	SEL-DTMUTE	Selector IC data mute(NJU7313AM)
5	I	A-PH	A photo sensor input
6	I	B-PH	B photo sensor input
7	I	DPSS	DPSS detection
8	I/O	SDATA	Serial communication data
9	I/O	SBUSY	Serial communication busy
10	I	PLL-DO	PLL(LC7218)data input
11	O	PLL-CE	PLL(LC7218)chip enable
12	I	S-LEVEL	RDS signal level
13	I	RDS-START	RDS IC start
14	I	RDS-DATA	RDS IC data
15	O	RDS-RESET	RDS IC control reset
16	O	CD-XLAT	CD latch output (CXA1782BQ,CXD2508Q)
17	O	CD-DATA	CD IC DATA(CXA1782BQ ・ CXD2508Q)
18	O	CD-CLK	CD IC CLK(CXA1782BQ ・ CXD2508Q)
19	I	SENSE	CD sense input(CXA1782BQ,CXD2508Q)
20	O	SQCK	Sub cord clock(CXD2508Q)
21	O	(OPEN)	Unused
22	I	SUBQ	Sub code data(CX2508Q)
23	O	PS-CLK	Parallel serial IC clock
24	I	PS-SIN	Parallel serial IC data
25	O	PRO-CLK	Dolby PROLOGIC IC(LA2785,LV1010N)clock
26	O	PRO-DT	Dolby PROLOGIC IC(LA2785,LV1010N) data
27	O	PRO-STB	Dolby PROLOGIC IC(LA2785,LV1010N)strobe
28	O	S-CLK	Surround IC clock(TDA7315,TDA7345)
29	I	CE	Power failure input
30	I/O	S-DATA	Surround IC data(TDA7315 ・ TDA7345)
31	I	RDS-CLK	RDS IC clock
32	I	SCOR	Sub code(CXD2508Q)
33	I	PROTECT	Protection input
34	I	REM	Remote control input
35		RESET	Reset
36	I	Xcin	Timer clock input(32.768KHz)
37	O	Xcout	
38	I	Xin	Main clock input(8.38MHz)
39	O	Xout	
40		Vss	(GND)
41 ~ 44	I	KR3 ~ KR0	Key return 3 ~ 0
45	O	E-OE	Expander IC(BU4094BC) enable control
46	O	E-STB	Expander IC(BU4094BC) strobe control
47	O	LED-STB	LED IC strobe
48	O	SEL-STB	Selector IC strobe



# RXD-G3/G4/G5/G31/G51

## CIRCUIT DESCRIPTION

Pin No.	I/O	Name	Description
49 ~ 58	O	1G ~ 10G	FL grid output 1G ~ 10G
59 ~ 73	O	P1 ~ P15	FL segment output P1 ~ P15
74 ~ 76	O	P16/BPOOT3 ~ P18/BPOOT1	FL segment output/band pass filter control 3 ~ 1
77	O	P19	FL segment output
78 ~ 90	O	P20/KEY13 ~ P32/KEY1	FL segment/Key output/Key scan output
91		Vcc	(Micom power)
92 ~ 94	O		Unused
95	O	PS-LOAD	Parallel serial IC load H : SHIFT L : LOAD
96	I	CW	Rotary encoder input B
97	I	CW	Rotary encoder input A
98	I	Vee	Full down power
99	I	AVss	A/D GND
100	I	Vref	A/D reference voltage

### 1-6. Key scan line input

Name	Description
SLT	CD limit SW
DNSW	CD down SW
UPSW	CD up SW
LDSW	CD load SW
UNLOAD	CD unload SW
A-PACK	A deck tape detection
B-PACK	B deck tape detection
A-CrO2	A deck Normal/CrO2 detection
B-CrO2	B deck Normal/CrO2 detection
A-PLAY	A deck PLAY-SW
B-PLAY	B deck PLAY-SW
FREC	Forward REC detection
RREC	Reverse REC detection
TEST	PCB TEST mode
DSW3	Decided model(D)
DSW4	
DSW5	
DSW0	Decided tuner destination(D)
DSW1	
DSW2	
ST	PLL stereo input
SD	Station detector input

# RXD-G3/G4/G5/G31/G51

## CIRCUIT DESCRIPTION

### RXD-G3/G4/G5/G31/G51 KEY MATRIX (UNIT)

	KR0	KR1	KR2	KR3
SEG 1	DISC 1	DISC 2	DISC 3	TAPE
SEG 2	OPEN/CLOSE	DISC SKIP	BAND	CD
SEG 8	MD	DEMO	MODE/OTT /ENHANCE	▶▶
SEG 9	◀◀	▶▶	◀◀	■
SEG 10	KEY ①	E Q	N B	LLC
SEG 11	KEY ②	KEY ③	ENTER	KEY ④
SEG 12	DOLBY N R	REV MODE	A/B	POWER
SEG 13	KEY ⑤	REC/ARM	DUBBING	OTE

	KEY ①	KEY ②	KEY ③	KEY ④	KEY ⑤
RXD-G3	ENHANCE	---	---	---	BEST HITS
RXD-G31 (J.M)	ENHANCE	---	---	---	DIGITAL ECHO
RXD-G4 (K.E)	3D STEREO	---	---	---	BEST HITS
RXD-G5	3D STEREO	DOLBY 3 STEREO	DOLBY PRO LOGIC	OFF	BEST HITS
RXD-G51 (J.M)	3D STEREO	---	---	---	DIGITAL ECHO

### TUNER

	KR0	KR1	KR2	KR3
SEG5	SD	ST		

### DECK

	KR0	KR1	KR2	KR3
SEG6	A PACK	B PACK	A PLAY	A CrO2
SEG7	R REC	B CrO2	B PLAY	F REC

### DIODE SW

	KR0	KR1	KR2	KR3
SEG3	TEST DECK PCB	DSW2	DSW1	DSW0
SEG4	DSW5	DSW4	DSW3	TEST RDS

### DIODE SWITCH TABLE

#### (1) TUNER DESTINATION SELECT

	DSW2	DSW1	DSW0
K1 (K, P, R)	L	L	L
K2 (K, P, R)	L	L	H
J (J)	L	H	L
E1 (E, G, X)	L	H	H
E2 (T)	H	L	L
E1 (RDS)	H	L	H
E2 (RDS)	H	H	L
M (M,Y)	L	CH SP	H

#### (2) MODEL SELECT

	DSW5	DSW4	DSW3
RXD-G3	L	L	L
RXD-G31	L	L	H
RXD-G4	L	H	L
RXD-G5	L	H	H
RXD-G51	H	L	H

M TYPE : SELECT DESTINATION BY CH SP (CHANNEL SPACE SW)

L : K2 H : E1

# RXD-G3/G4/G5/G31/G51

## CIRCUIT DESCRIPTION

### 1-7. Initialization (Reset)

Insert the AC plug into the outlet while holding down the ENTER key of main unit.

#### Initial stage

	State			State	
SYSTEM	POWER	OFF		BAND	FM
CLOCK PROG.	CLOCK	STOP(AM12:00)	TUNER	Each last BAND	
	PROG. Operation MODE	OFF		FM : P.ch= - - ch FREQ=min(76.0 or 87.5 MHz)	
	PROG.1 : ON=AM12:00	OFF=AM12:00		AM(MW) : P.ch= - - ch FREQ=min(530 or 531 kHz)	
	MOD=PLAY	SOC=TUNER(1ch)		LW : P.ch= - - ch FREQ=min(153kHz)	
AMP	PROG.2 : ON=AM12:00	OFF=AM12:00	TAPE	P.CH Memory 1 ch~20ch : Test frequency	
	MOD=PLAY	SOC=TUNER(1ch)		(Refer to Test Frequency)	
	VOLUME	7SEG=7		Tuning MODE	AUTO (AUTO STEREO)
	SELECTOR	TUNER		A/B Selector	B
	EQ.	OFF	CD	A Deck Head position	For FWD
	PRESENCE	OFF		B Deck Head position	For FWD
	3D STEREO	OFF		DOLBY NR	OFF
	N. B.	OFF		REV	REVERSE
	MUTING	OFF		DISC Selector	DISC 1
	PROLOGIC	OFF		REPEAT	OFF

## 2 TEST MODE

### 2-1. Cassette Deck TEST MODE

TEST Mode	Operation	Description
Input method	While depressing the TAPE key, plug the power cord in to an AC power outlet.	Entered TEST mode.
Cancel method	Turn off the power.	Cancelled TEST mode.
4 sec. REC	REC	Insert the cassette tape of B deck, select AUX, the deck start REC position. On the REC mute off, started 4 sec REC. After return REC Starting position,select TAPE, started PLAY position.
Direct PLAY	FWD key RVS key(Insert the tape in the A or B deck)	FWD key : Moved FWD PLAY to select A or B RVS key : Moved REV PLAY to select A or B.
Select deck (A/B)	A or B	Select deck A or B without cassette tape.

### 2-2. DETECT HALF SW (ON TEST MODE)

SW	DISPLAY
A CrO2 detect half sw	A
B CrO2 detect half sw	A
B FWD REC inhibit detect half sw	B
B RVS REC inhibit detect half sw	B

# RXD-G3/G4/G5/G31/G51

## CIRCUIT DESCRIPTION

### 2-3. AMP GE TUNER TEST MODE

#### 1. How to turn it ON

If you turn ON the power while pressing the AUX key or the TUNER key, it will go into the AMP/GE/TUNER test mode.

#### 2. Operation immediately after the start-up of the test mode

The test mode gets started while the power is turned ON. If the AUX key is pressed, the selector will be turned to "AUX." If the TUNER key is pressed, it will be turned to "TUNER. All the FLs will light up. The red and green lamps of the two-color LEDS will light up by turns at 500 msec. interval. All the single-color LEDS will light up. The indication with all the LEDS' lighting up can be released by operating the key on the remote control or on the main body. Then, it will be returned to the ordinary "AUX" display then to the ordinary display.

#### 3. Operation in the test mode

(1) MUTE control is not activated when the mode is switched.

(2) The test mode will not be terminated if it is shifted to other positions than "AUX.

(3) The test mode will be terminated by plugging it off the power source or by initializing it, when all the settings will be initialized.

(4) During the test mode, it can be operated in a special manner that is different from an ordinary operation by using the keys on the remote control or the main body, specifically as shown in the following table.

Key	Function	Key	Function
POWER	Initialization	3D STEREO	Normal operation
CD	Normal operation	DOLBY PRO/flat	Normal operation
TAPE	Normal operation	DOLBY 3 ST/natural	Normal operation
TUNER	Normal operation	OFF/sharp	Normal operation
MD/AUX	Normal operation	BEST HIT/MIC ECHO	Normal operation
■	Normal operation	MODE/OTT/ENHANCER	Normal operation
◀◀	Center level up	DEMO	All light off, normal display (cyclic)
▶▶	Center level down		
◀◀	Rear level up	+10(Remocon key)	Selector TUNER+10 key
▶▶	Rear level down	0(Remocon key)	Selector TUNER 0 key
ENTER.	S level display	1(Remocon key)	Selector TUNER 1 key
LLC	S level display cancellation	2(Remocon key)	Selector TUNER 2 key
PRESENCE	Normal operation	3(Remocon key)	Selector TUNER 3 key
N. B.	Normal operation	4(Remocon key)	Selector TUNER 4 key
EQ. ON/OFF	Normal operation	5(Remocon key)	Selector TUNER 5 key
DISC 1	※3D TES1(AUX only)	6(Remocon key)	Selector TUNER 6 key
DISC 2	※3D TES2(AUX only)	7(Remocon key)	Selector TUNER 7 key
DISC 3	※3D TES3(AUX only)	8(Remocon key)	Selector TUNER 8 key
OPEN/CLOSE	※3D TES4(AUX only)	9(Remocon key)	Selector TUNER 9 key
※DISK SKIP	※Equalizer FLAT (OFF)		
A/B(A)	※Encoder MID(CE)		
REV.MOD(Unit)	※Encoder MIN(L)		
DOLBY NR B(Unit)	Equalizer MIN		
DUBBING (Unit)	Equalizer MAX		
REC/ARM(REC)	HIT MASTER ON		
ONE TOUCH EDIT	※Encoder MAX(R)		

※ The DISK SKIP key is used for "Equalizer FLAT" and "OFF function" (to turn OFF "PRESENCE" and "HIT MASTER" ).

※ The remote control/main body keys that are not listed above will work as usual.

※ Setting of 3D. (AUX mode only)

※ Setting of S level display and S level cancellation. (TUNER mode only)

# RXD-G3/G4/G5/G31/G51

## ADJUSTMENT

### CD section (X32-312)

No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	LASER POWER	-	Set the sensor section of the optical power meter on the pickup lens.	Press CD key and turn the power on to enter the test mode. Press the "DISC3" key to check that the display is "03".	-	On the power from 0.05 to 0.15mw. when the diffraction grating is correctly aligned with the RF level of 0.8Vp-p or more	(a)
2	TRACKING ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1 : RF (CN2-1) CH2 : TE (CN2-6)	Load disc and set to test mode. Confirm the display is "03".	TE BALANCE VR1	Symmetry between upper and lower or DC=0±25mV	
3	FOCUS ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1 : RF (CN2-1) CH2 : TE (CN2-6)	Press the PLAY key. Confirm that the display is "05"	FE BALANCE VR2	Optimum eye pattern	
4	TRACKING GAIN	Test disc Type 4 Apply signal of 1.0kHz, 50mVrms to CN2 pin 5-6.	Connect a LPF to CN2 pin 5-6 to which connect an oscilloscope or AC voltmeters.	Press the PLAY key. Confirm that the display is "05"	TRACKING GAIN VR3	Two VTVMs should read the same value.	(e)

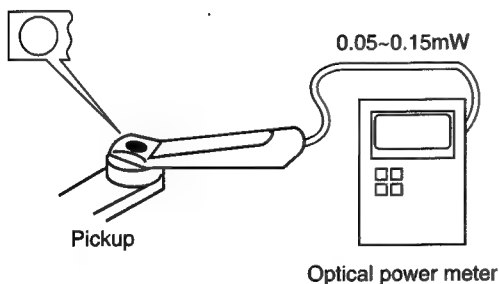
Note:

Type 4 disc : SONY YEDS-18 Test Disc or equivalent.

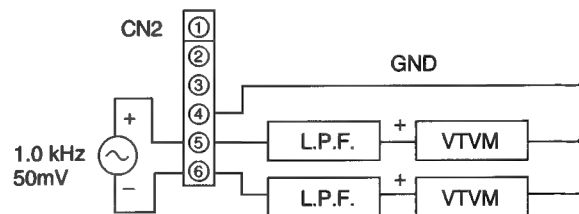
LPF : Around 47kΩ + 390pF or so.

Step 1 ~ 5 are in Test Mode.

#### (a) Laser Power



#### (e) Tracking Gain Adj.



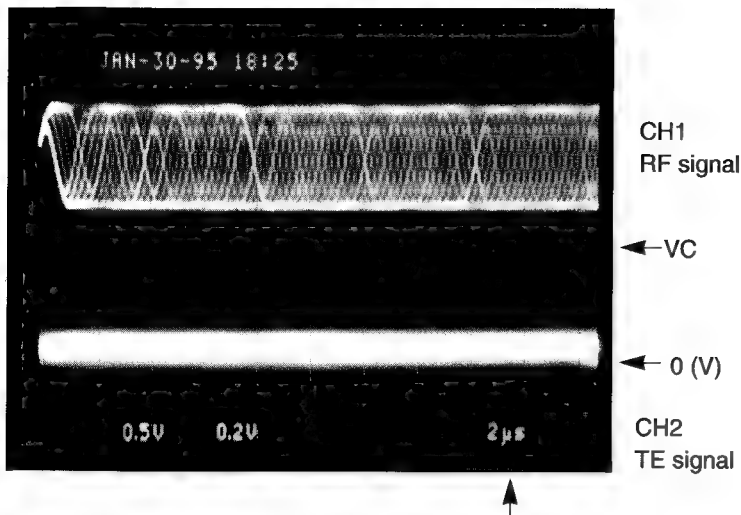
CD test mode input method : While depressing the CD key, plug the power cord into an AC power outlet.

NO.	KEY	OPERATION	TRACK NO. DISPLAY
1	CD	CLAMP DISC3 1. FOCUS SERVO .....ON 2. TRACKING SERVO .....ON 3. FEED SERVO .....ON	05
2	DISC3	1. FOCUS SERVO .....ON 2. TRACKING SERVO .....OFF 3. FEED SERVO .....OFF	03
3	STOP	STOP	01
4	DISC1	PLAY T NO.16 (P NO 2)	16
5	DOWN	STOP D NO2, AND PLAY T NO32 OF D NO1.	32
6	DISC2	CLAMP UP D NO3, AND LOCK FLICKTION ARM	— —

# RXD-G3/G4/G5/G31/G51

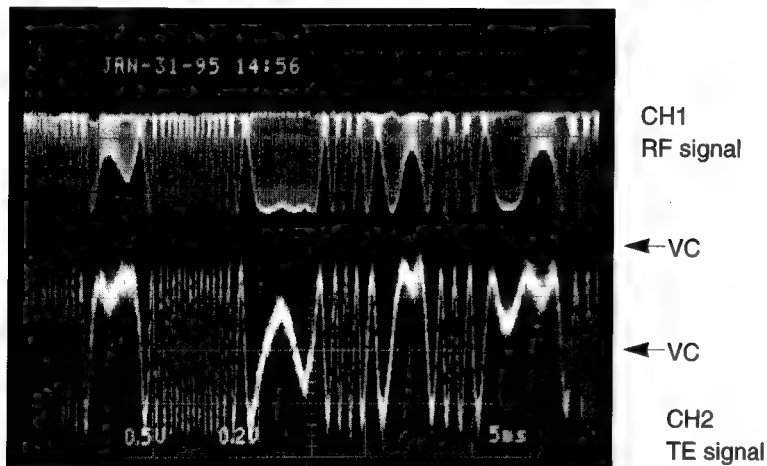
## ADJUSTMENT

FIG. (b)



● RF signal and TE signal in test mode (PLAY).

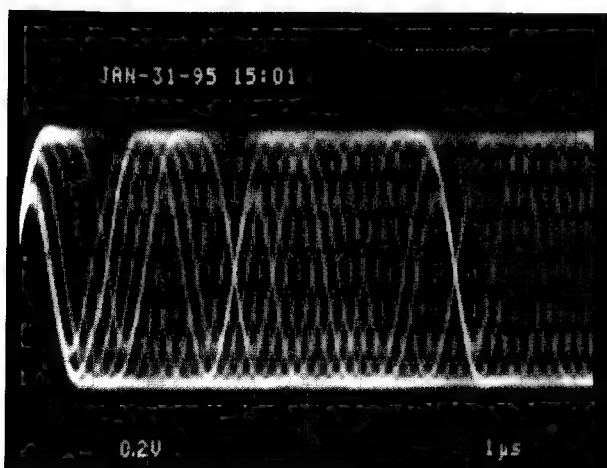
FIG. (c)



● RF signal and TE signal in test mode (Focusing servo ON / Tracking servo OFF). (Disc Type 4)

● Adjust TE signal so that the waveform is symmetrical in relation to VC. VR 3 (TE BALANCE)

FIG. (d)



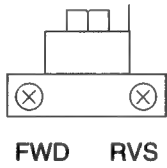
● RF signal in test mode (PLAY).

● Perform the tangential and focusing offset are focused into one point on the display. The crossing points above and below the center shall also be looked clearly.

# RXD-G3/G4/G5/G31/G51

## ADJUSTMENT

### Cassette Deck section

No	ITEM	INPUT SETTING	OUTPUT SETTING	DECK SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
Unless otherwise specified, set the respective switches as follows: TAPE : NORMAL    DOLBY : OFF    REC OUT : Lch (X28,CN5 ①pin), Rch (X28,CN5 ④pin) I. Cassette mechanism unit (Adjustment of the REC / PLAY head)							0dBs=0.775V
(1)	Demagnetization and cleaning	—	—	Power : OFF Demagnetization, cleaning, PLAY	Recording head, erase head, capstan pinch roller	Demagnetize the REC / PLAY head with the head eraser. Clean the REC / PLAY head, erase head, capstan and pinch roller using a cotton swab slightly damped with alcohol.	
(2)	Azimuth of the REC/PLAY head	TCC-153 MTT-114 10kHz, - 10dB	(B)	PLAY	 FWD    RVS	Adjust the output to maximum and adjust the azimuth adjustment screw for the Lissajours waveform pattern of the oscilloscope to become close to a 45° straight line.	
II. PC BOARD ADJUSTMENT							
(1)	TAPE SPEED(NORMAL)	TCC-110 MTT-111 SCC-1727 3kHz	(B)	PLAY	VR9	Adjust the tape speed so that 3kHz is obtained at the center of the tape.	
III. PC BOARD ADJUSTMENT							
(1)	PLAYBACK LEVEL	MTT- 150 400Hz	(B)	PLAY	A DECK VR 1(L) VR 2 (R) B DECK VR 3 (L) VR4 (R)	Adjust the playback output to -2.0dBs	
		MTT-256, SCC-1727 315Hz				Adjust the playback output to -6.0dBs	
		MTT-256U, TCC-160 315Hz				Adjust the playback output to -3.0dBs	
(2)	BIAS CURRENT	Adjust the AG for the output of the DECK to become 400Hz -23dBs. 400Hz/12.5kHz	(B)	REC ↕ PLAY	RXD-G3/G31 VR5(L) VR6(R)  RXD-G4/G5 /G51 VR7(L) VR8(R)	Record 400Hz and 12.5kHz alternately, and adjust the bias current adjustment potentiometer for the playback levels to become the +3dB.	

# RXD-G3/G4/G5/G31/G51

## ADJUSTMENT

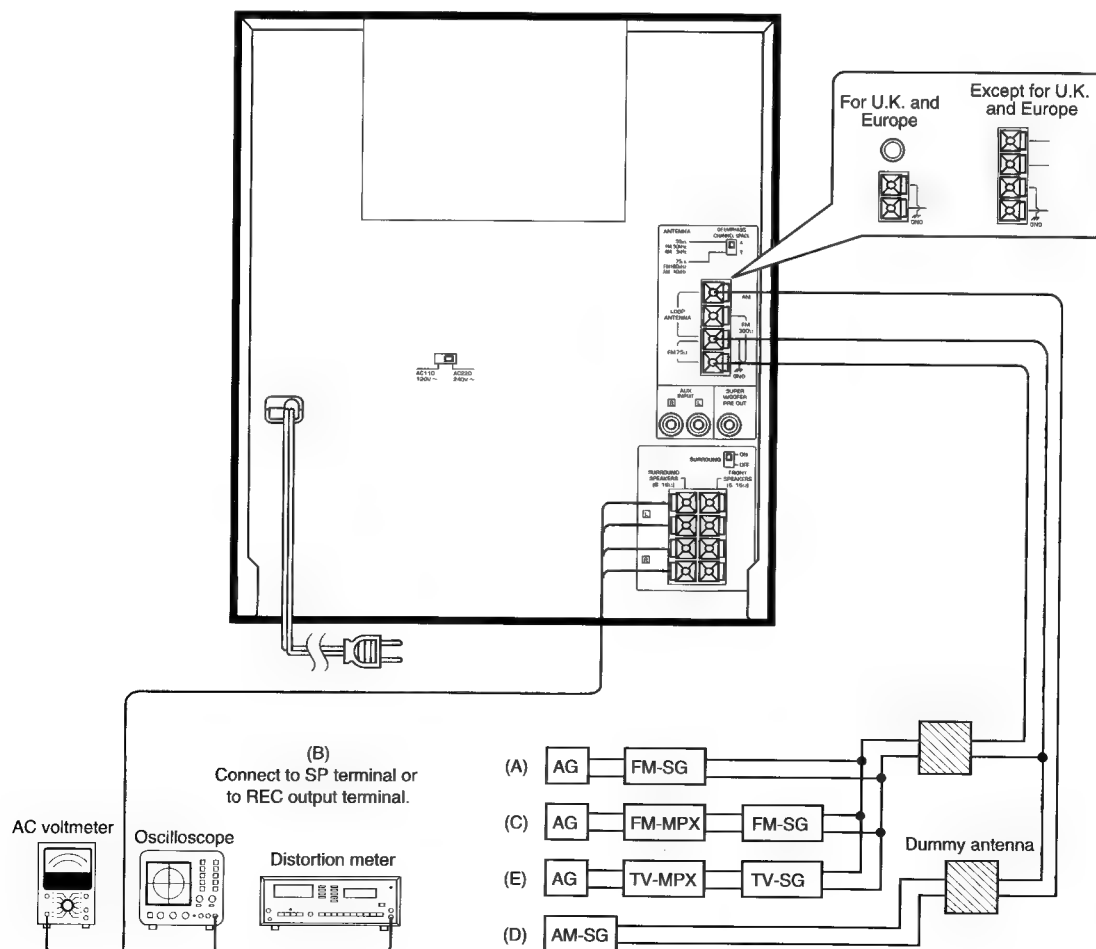
### TUNER section

No.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION		BAND : FM					
1	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, $\pm 68.25$ kHz dev Pilot : $\pm 7.5$ kHz dev 60 dB $\mu$ (ANT input)	(B)	AUTO 98.0MHz	IFT (W02-)	Minimum distortion.	(f)

(X09-431,432,445)

No.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION		BAND : FM					
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, $\pm 75$ kHz dev 60 dB $\mu$ (ANT input)	Connect a DC voltmeter between TP 1 and TP 2. (X09-)	AUTO or MONO 98.0MHz	L306 (X09-)	0V	(f)
2	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, $\pm 68.25$ kHz dev Pilot : $\pm 7.5$ kHz dev 60 dB $\mu$ (ANT input)	(B)	AUTO 98.0MHz	IFT (W02-)	Minimum distortion.	(f)

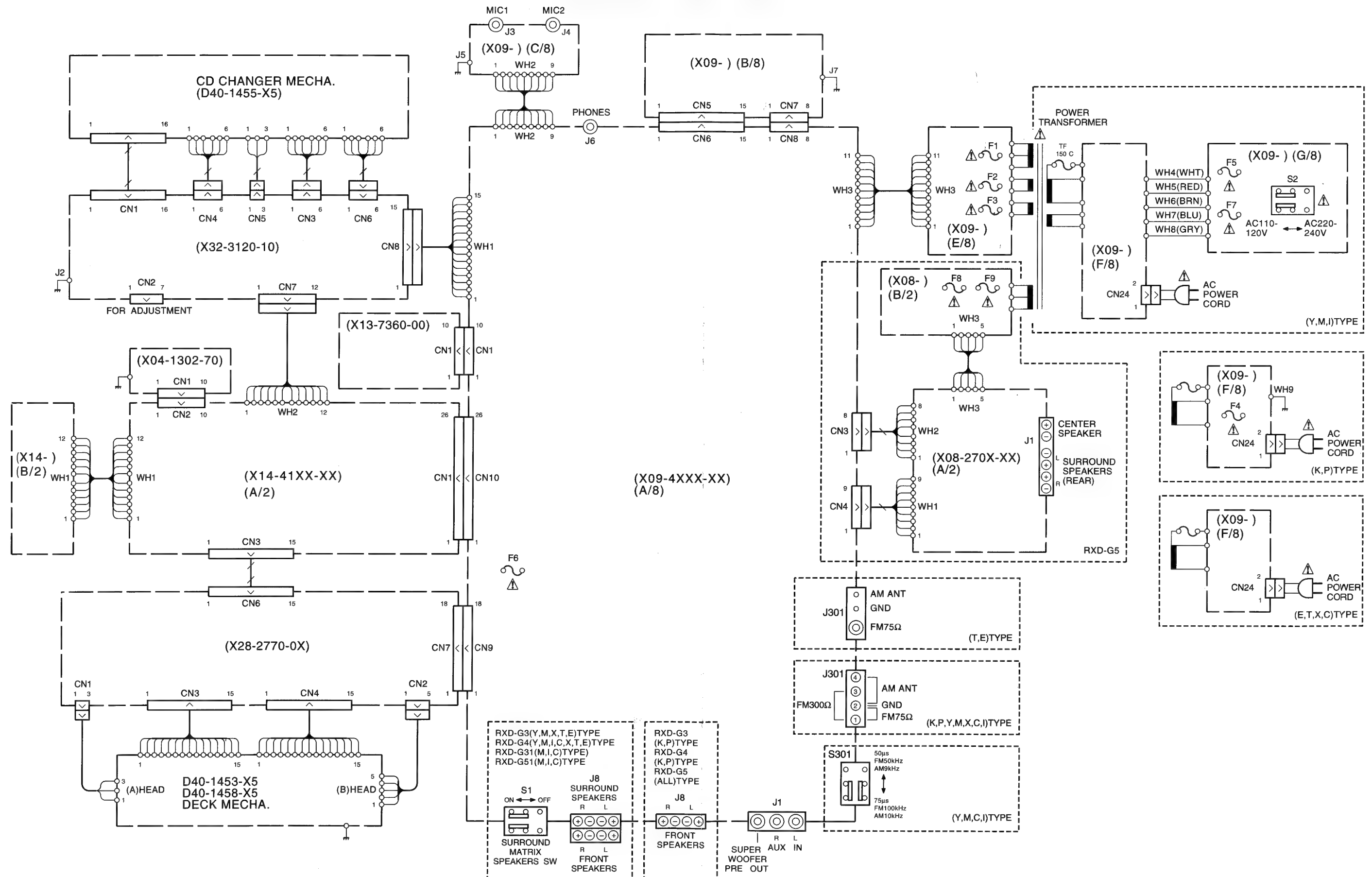
Fig.(f)



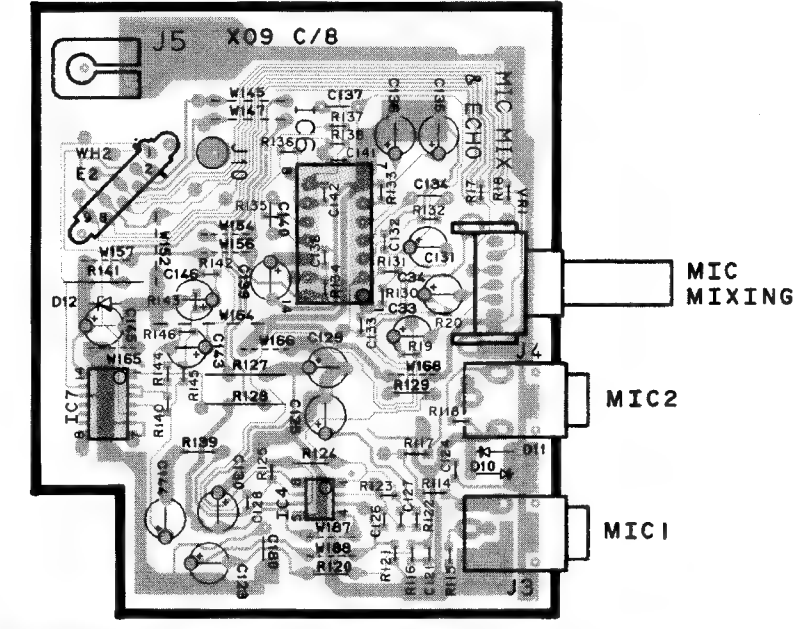
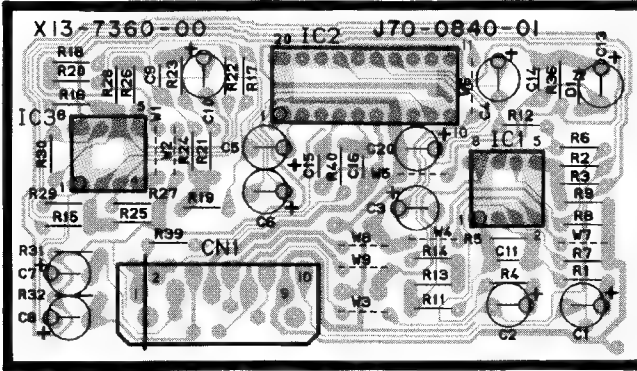
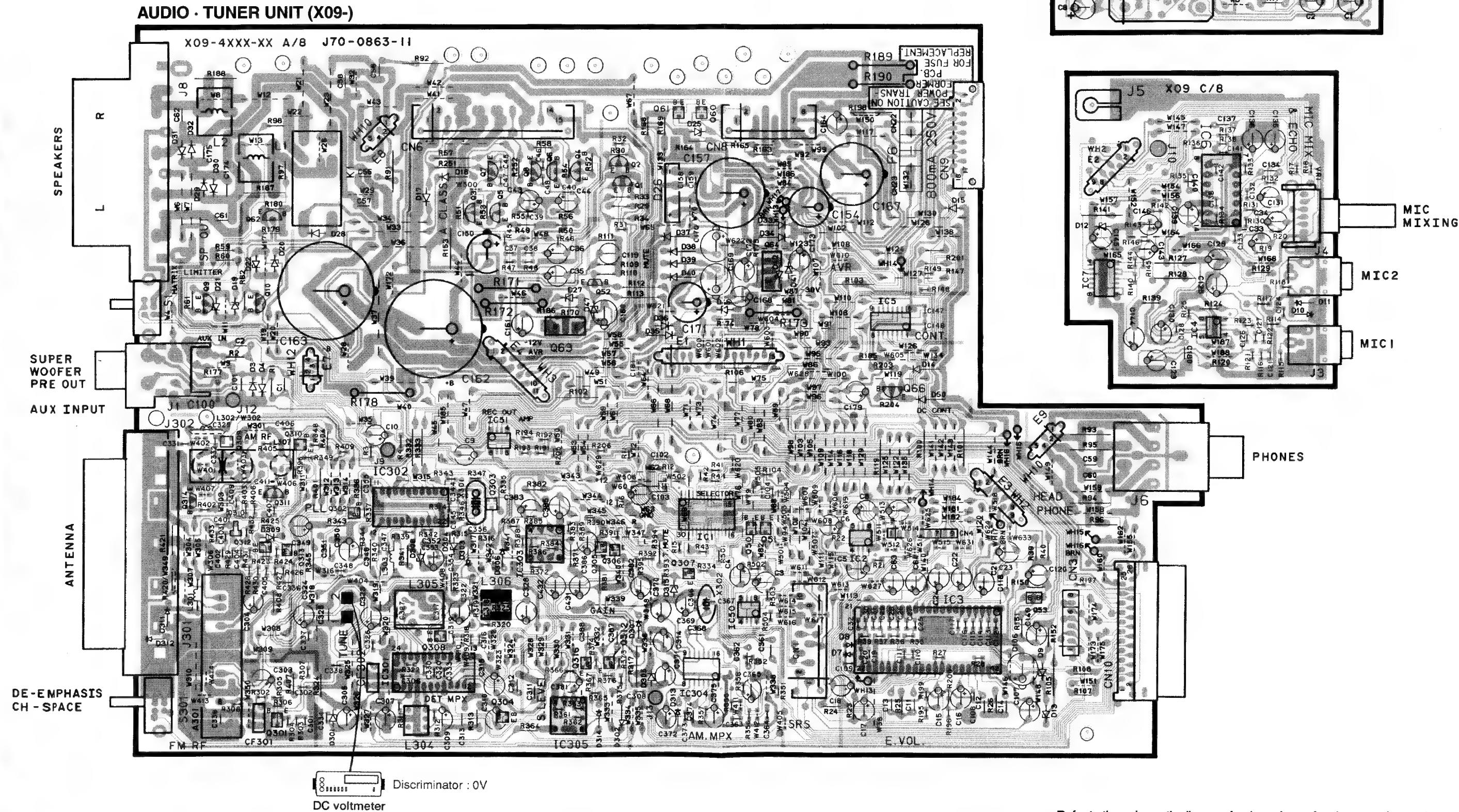


# RXD-G3/G4/G5/G31/G51 RXD-G3/G4/G5/G31/G51

## WIRING DIAGRAM



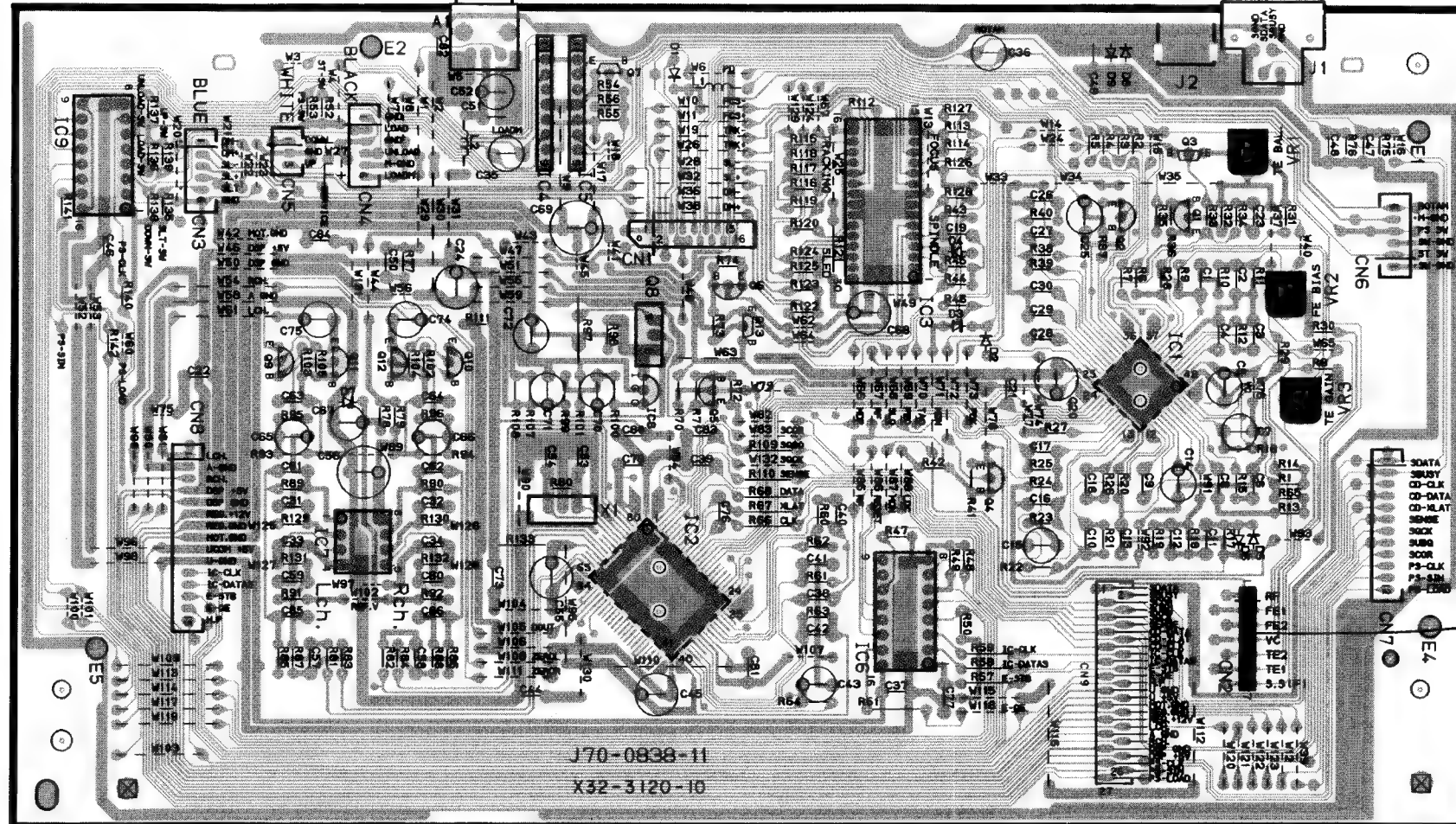
PC BOARD (Component side view)





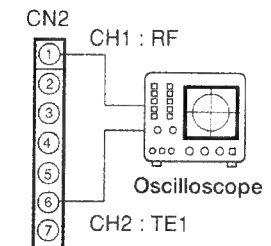
# PC BOARD (Component side view)

## CD PLAYER UNIT (X32-)

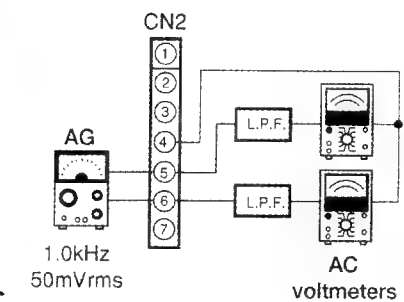


Tracking error balance  
: Symmetry between  
upper and lower for VC  
( $\pm 25\text{mV}$ )

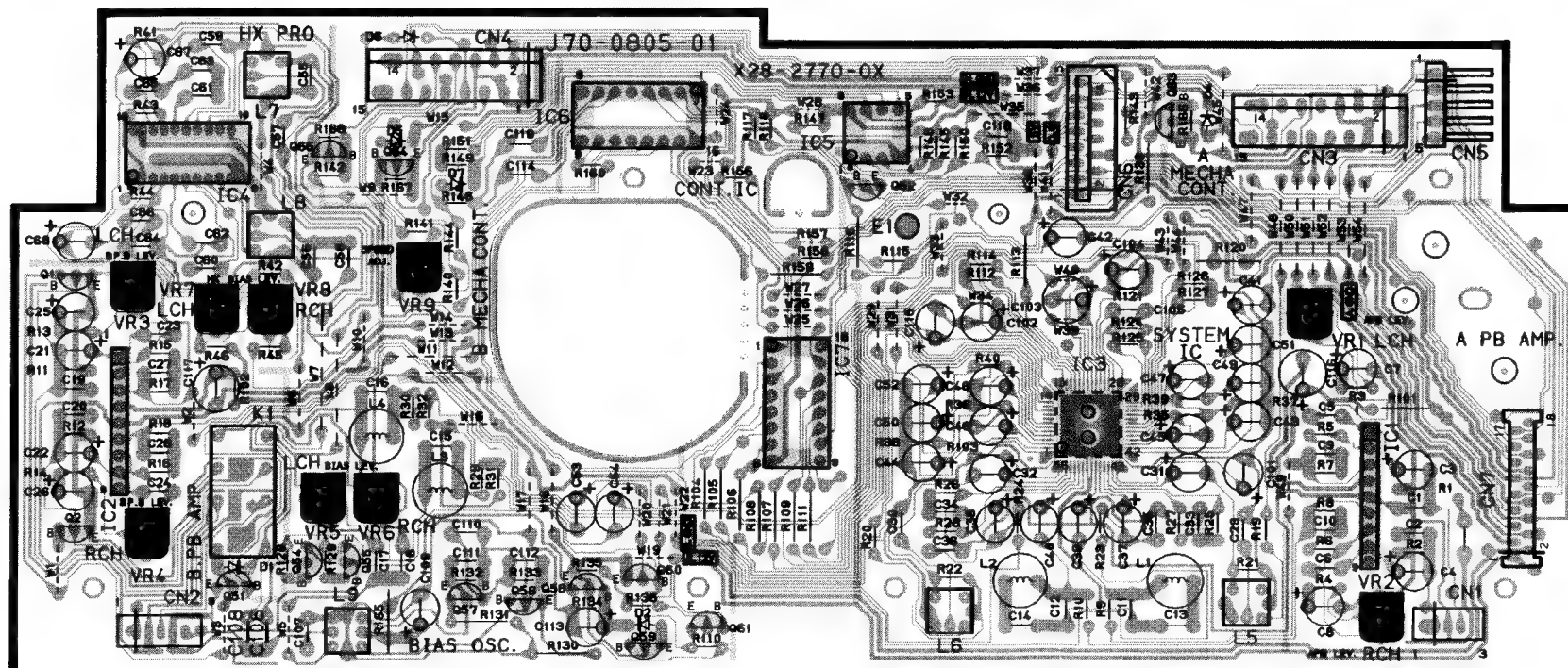
Focus error balance  
: Optimum eye pattern



Tracking gain :  
Two VTVMs should  
read the same value.



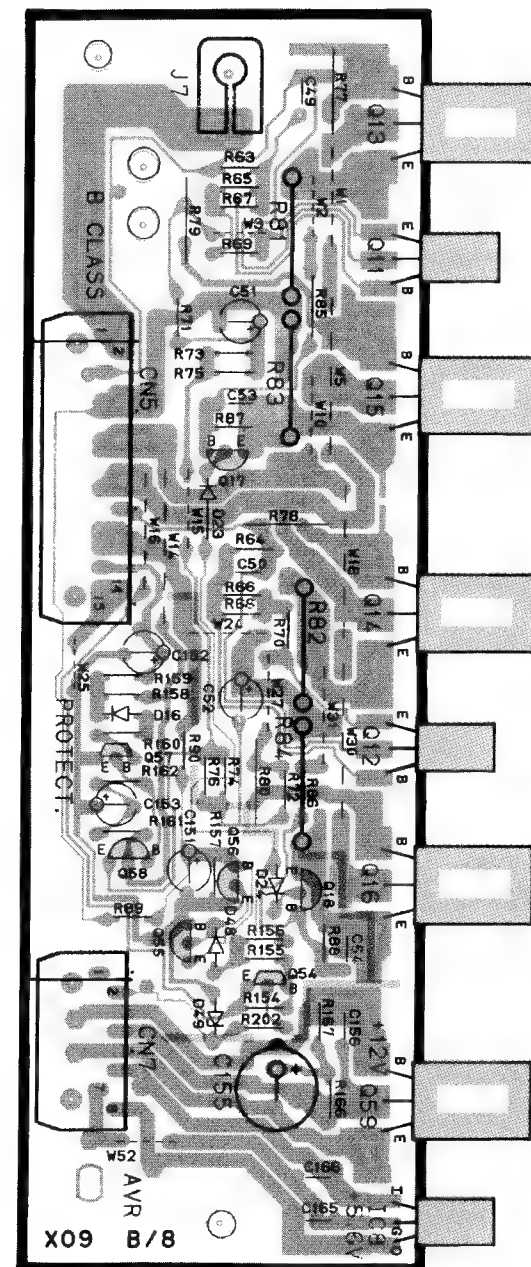
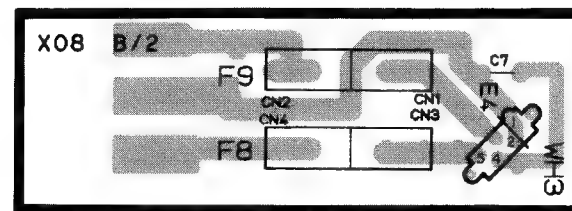
## RECORD/PLAY BACK UNIT (X28-)



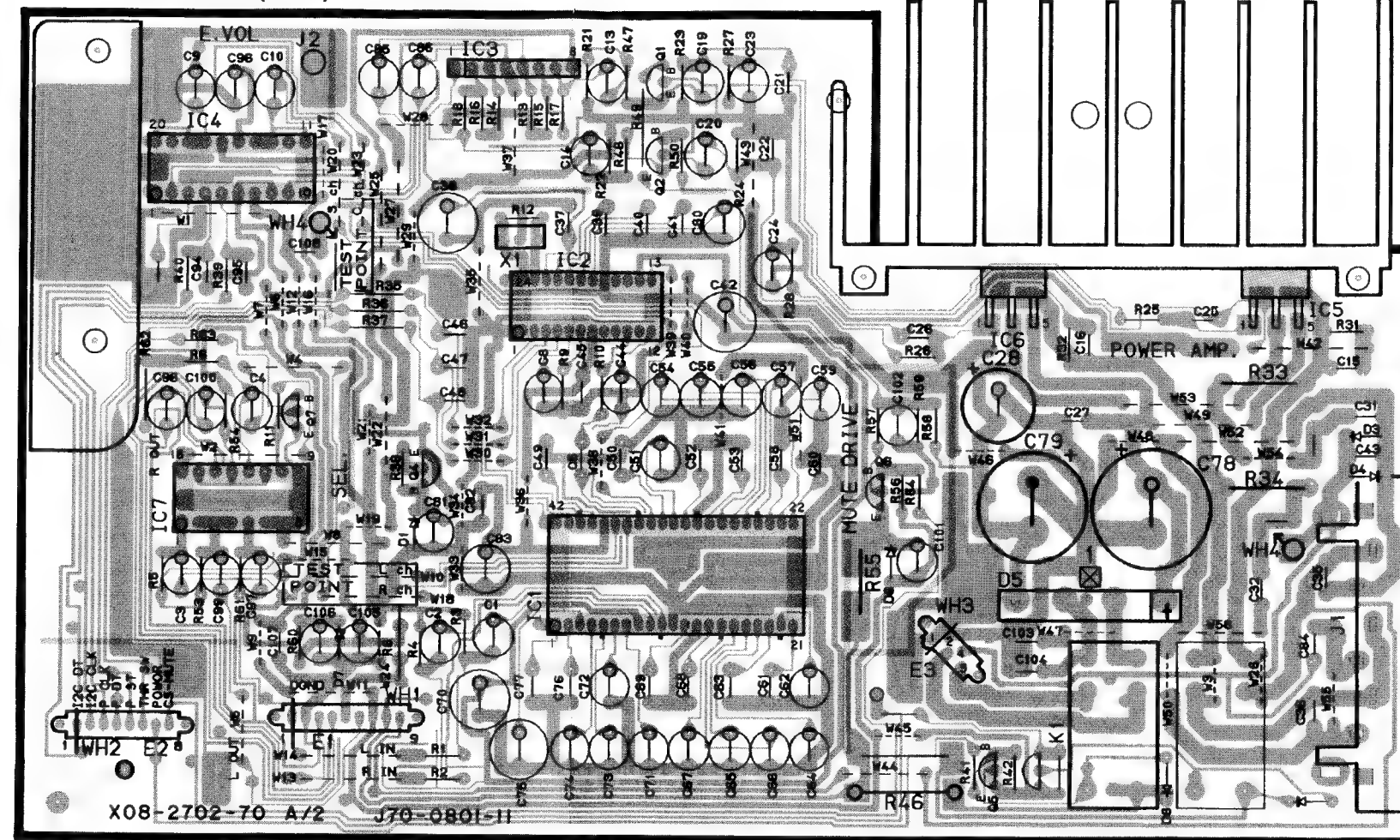
Refer to the schematic diagram for the values of resistors and capacitors.



# PC BOARD (Component side view)

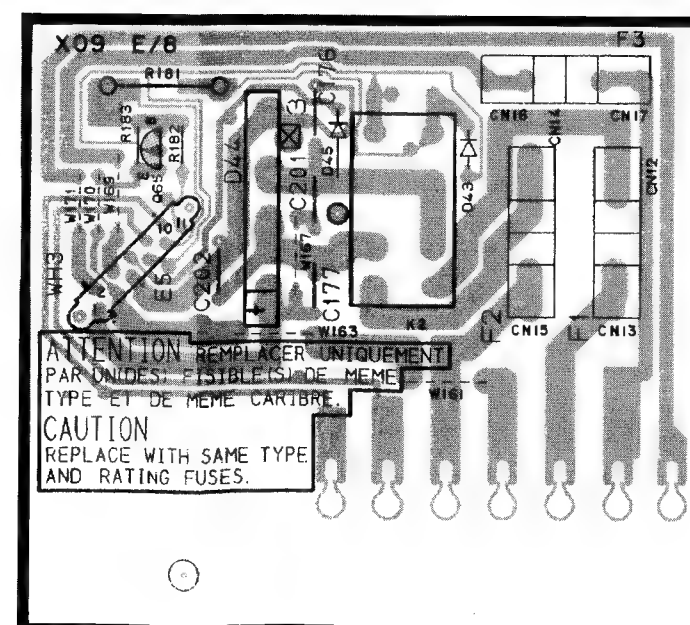
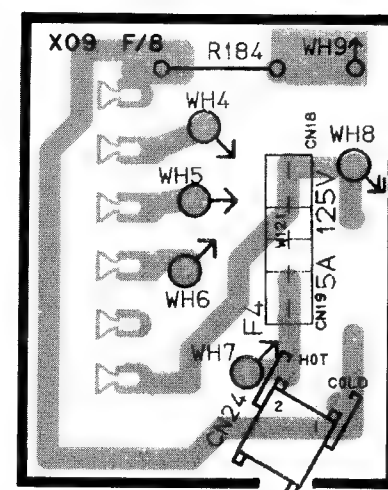


## SURROUND UNIT (X08-)

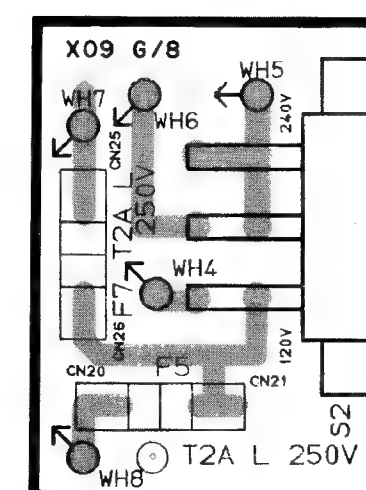


CENTER  
SPEAKER

L  
SURROUND  
SPEAKERS  
R



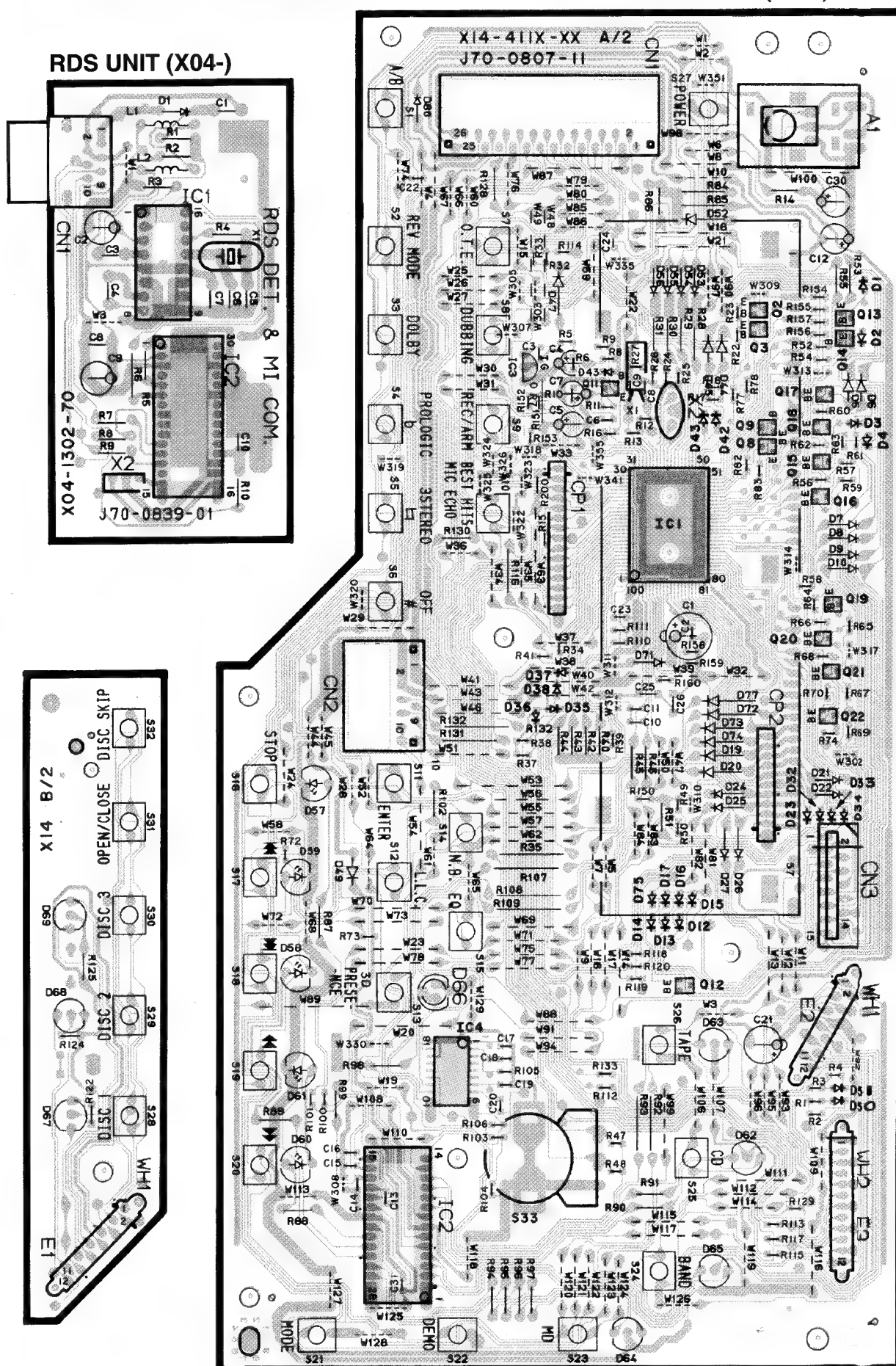
ATTENTION REMPLACER UNIQUEMENT  
PAR UNIDES: FUSIBLE(S) DE MEME  
TYPE ET DE MEME CARIBRE  
CAUTION  
REPLACE WITH SAME TYPE  
AND RATING FUSES.



220-240V  
VOLTAGE  
SELECTOR  
110-120V

### PC BOARD (Component side view)

### DISPLAY UNIT (X14-)



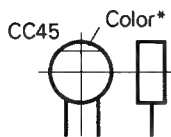
# RXD-G3/G4/G5/G31/G51

## PARTS DESCRIPTIONS

### CAPACITORS

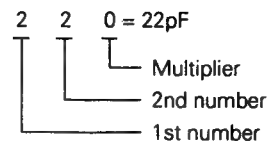
CC 45 TH 1H 220 J  
1 2 3 4 5 6

- 1 = Type ... ceramic, electrolytic, etc. 4 = Voltage rating  
2 = Shape ... round, square, ect. 5 = Value  
3 = Temp. coefficient 6 = Tolerance



#### Capacitor value

010 = 1pF  
100 = 10pF  
101 = 100pF  
102 = 1000pF = 0.001μF  
103 = 0.01μF



#### Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

#### Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF - 10 ~ +50 Less than 4.7μF -10 ~ +75

#### (Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

#### Voltage rating

2nd word 1st word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

#### Chip capacitors

- (EX) C C 7 3 F S L 1 H 0 0 0 J  
1 2 3 4 5 6 7  
(Chip) (CH, RH, UJ, SL)
- (EX) C K 7 3 F F 1 H 0 0 0 Z  
1 2 3 4 5 6 7  
(Chip) (B, F)
- Refer to the table above.
- 1 = Type  
2 = Shape  
3 = Dimension  
4 = Temp. coefficient  
5 = Voltage rating  
6 = Value  
7 = Tolerance

#### Dimension (Chip capacitors)

Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

### RESISTORS

#### Chip resistor (Carbon)

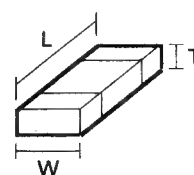
- (EX) R K 7 3 E B 2 B 0 0 0 J  
1 2 3 4 5 6 7  
(Chip) (B, F)

#### Carbon resistor (Normal type)

- (EX) R D 1 4 B B 2 C 0 0 0 J  
1 2 3 4 5 6 7

- 1 = Type 5 = Rating wattage  
2 = Shape 6 = Value  
3 = Dimension 7 = Tolerance  
4 = Temp. coefficient

#### Dimension



#### Dimension (Chip resistor)

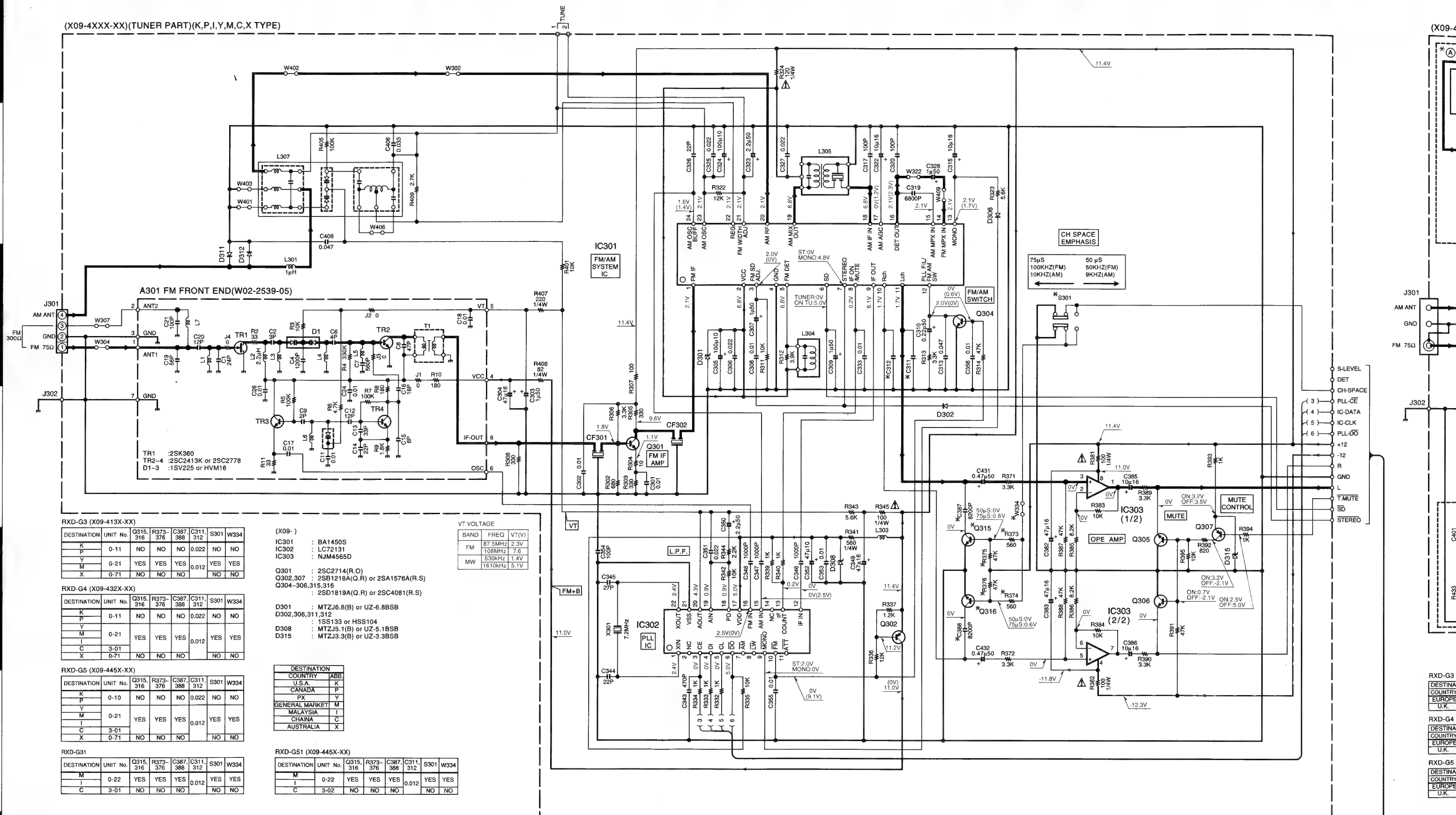
Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6 ± 0.2	0.8 ± 0.2	0.5 ± 0.1

#### Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		



(X09-4XXX-XX)(TUNER PART)(K,P,I,Y,M,C,X TYPE)



**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

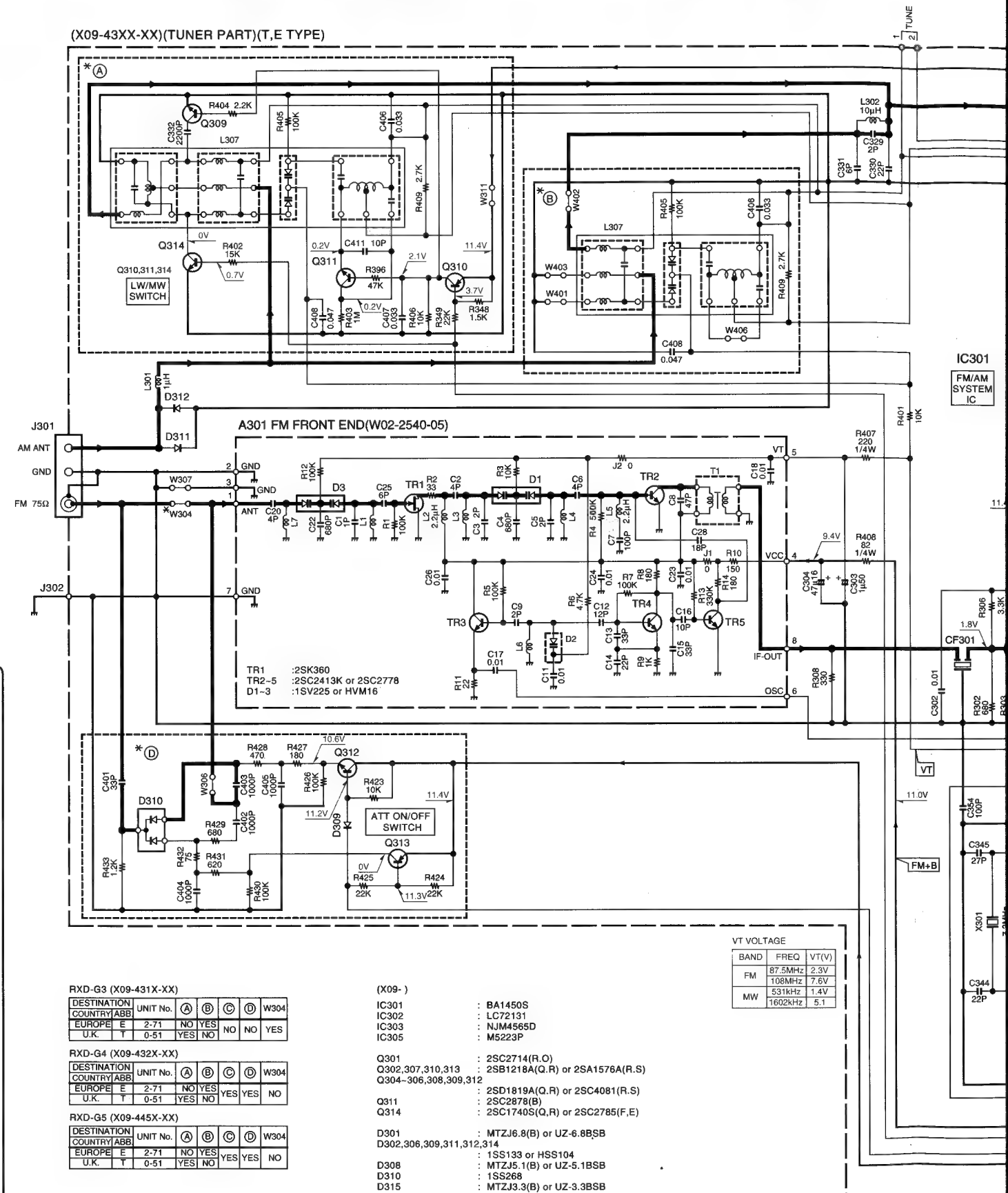
The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in ( ) is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

an actual reading measured with a high impedance type FM signal generator is specified to the conditions as shown in measurement value may vary depending on the measuring on the product. The value shown in ( ) is actual reading mode.

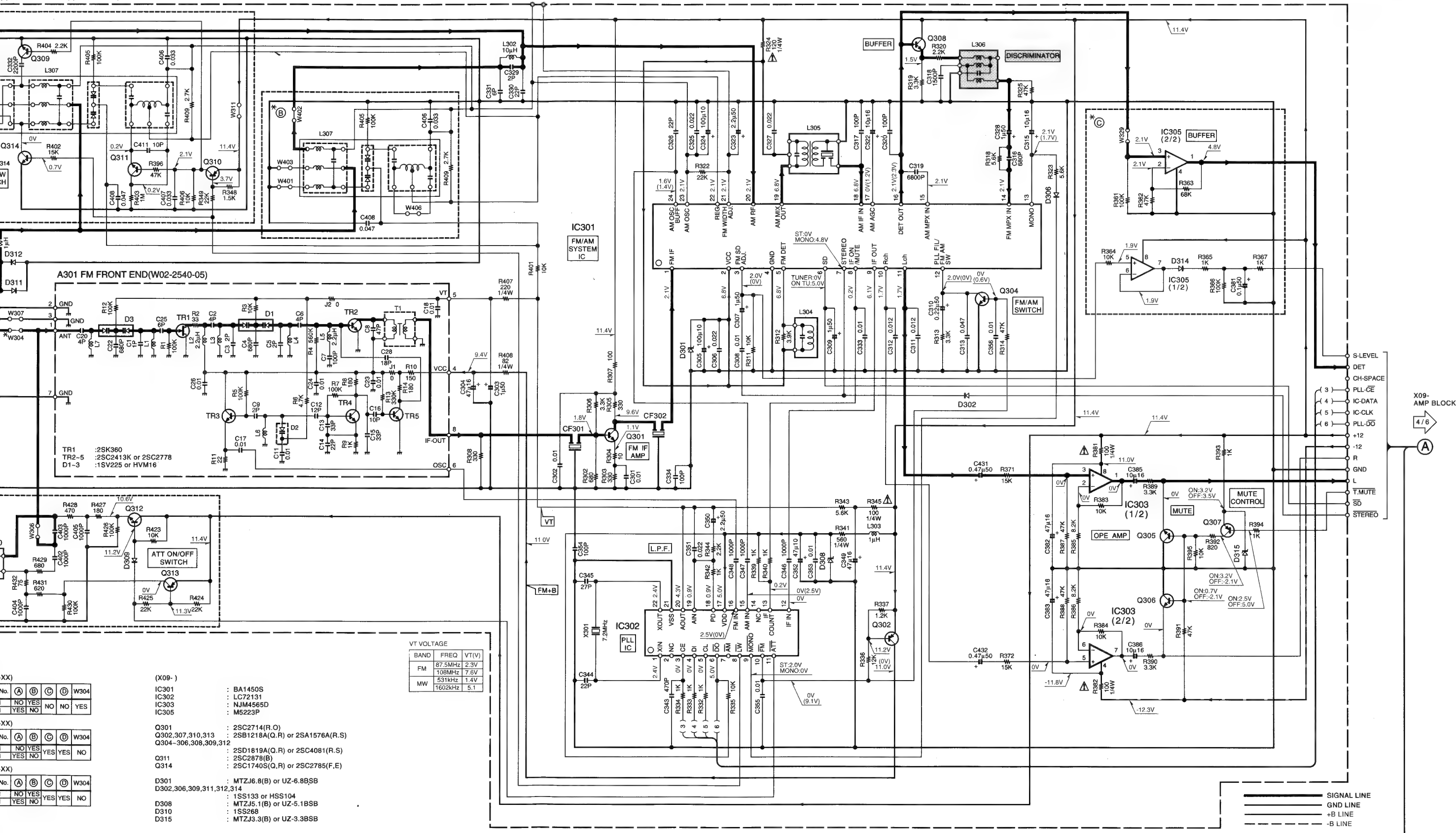
MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

# (X09-43XX-XX)(TUNER PART)(T,E TYPE)





(TUNER PART)(T.E TYPE)



XX)

No.	(A)	(B)	(C)	(D)	W304
IC301	NO	YES	NO	NO	YES
IC302	NO	YES	NO	NO	YES
IC303	YES	NO	NO	NO	YES
IC305	YES	NO	NO	NO	YES

XX)

No.	(A)	(B)	(C)	(D)	W304
Q301	NO	YES	YES	YES	NO
Q302,307,310,313	NO	YES	YES	YES	NO
Q304-306,308,309,312	YES	NO	YES	YES	NO

XX)

No.	(A)	(B)	(C)	(D)	W304
Q311	NO	YES	YES	YES	NO
Q314	YES	NO	YES	YES	NO

- (X09 -)
- IC301 : BA1450S
  - IC302 : LC72131
  - IC303 : NJM4565D
  - IC305 : M5223P
  - Q301 : 2SC2714(R,O)
  - Q302,307,310,313 : 2SB1218A(Q,R) or 2SA1576A(R,S)
  - Q304-306,308,309,312 : 2SD1819A(Q,R) or 2SC4081(R,S)
  - Q311 : 2SC2878(B)
  - Q314 : 2SC1740S(Q,R) or 2SC2785(F,E)
  - D301 : MTZJ6.8(B) or UZ-6.8BSB
  - D302,306,309,311,312,314 : 1SS133 or HSS104
  - D308 : MTZJ5.1(B) or UZ-5.1BSB
  - D310 : 1SS268
  - D315 : MTZJ3.3(B) or UZ-3.3BSB

RXD-G3/G4/G5/G31/G51(K)(1/6)

Y39-2300-00

RXD-G3/G4/G5/G31/G51

KENWOOD

MODEL NAME	UNIT No.	A	C17 18	C111 112	C107	C113	R110	R127	R130 131	R132 133	VR5,6	L9	VR9
RXD-G3	X28-2770-00	NO	YES	3300P	8200P	2.2μ50	YES	82K	5.6 1/4W	33K	YES	L32-0542-05	R12-1619-05
RXD-G4	X28-2770-01	YES	NO	5600P	100	4.7μ35	NO	120K	10 1/4W	22K	NO	L32-0570-05	R32-0036-05
RXD-G5													

(X28-)

IC1,2 : TA8125S  
IC3 : HA12182F  
IC4 : μPC1297CA  
IC5 : BA10393  
IC6,7 : BU4094BC

Q1,2,51,61 : DTC124ES or UN4212

Q52,56,57,59 : 2SC2785(F.E) or 2SC1740S(Q.R)

Q54,55 : 2SC1845(F.E)

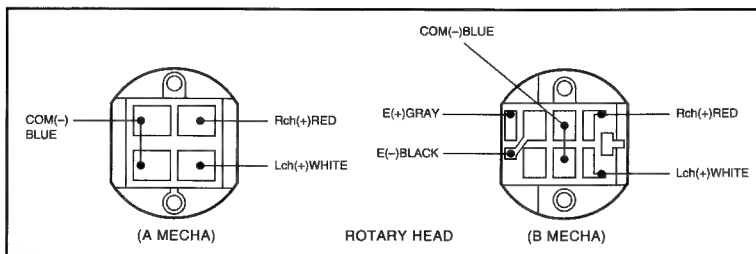
Q58 : 2SC3940A(R.S)

Q60 : 2SA992(F.E)

Q63-65 : 2SC3246

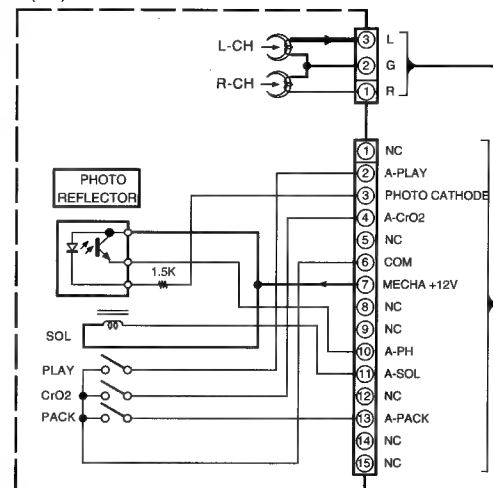
D1,2,4-6 : 1SS133 or HSS104

D7 : UZ-2.7BSB or MTZJ2.7(B)

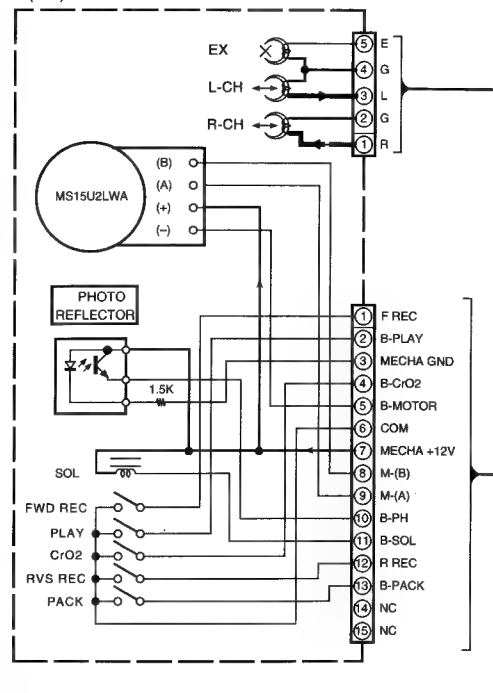


# DECK MECHA (RVS type) D40-1427-08

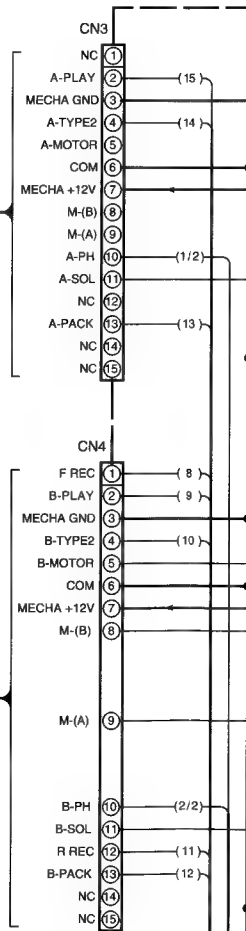
## A(PB) MECHA



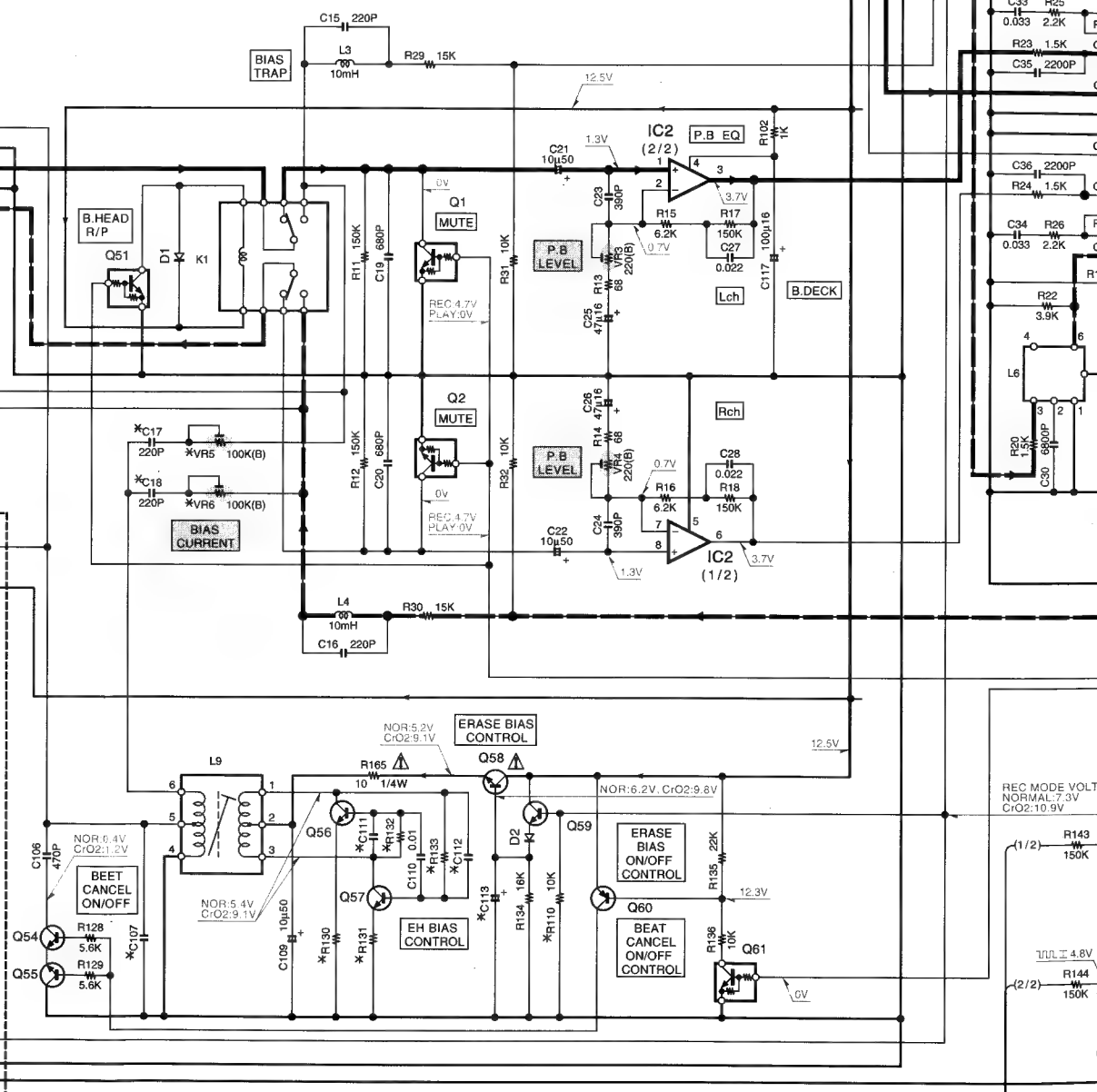
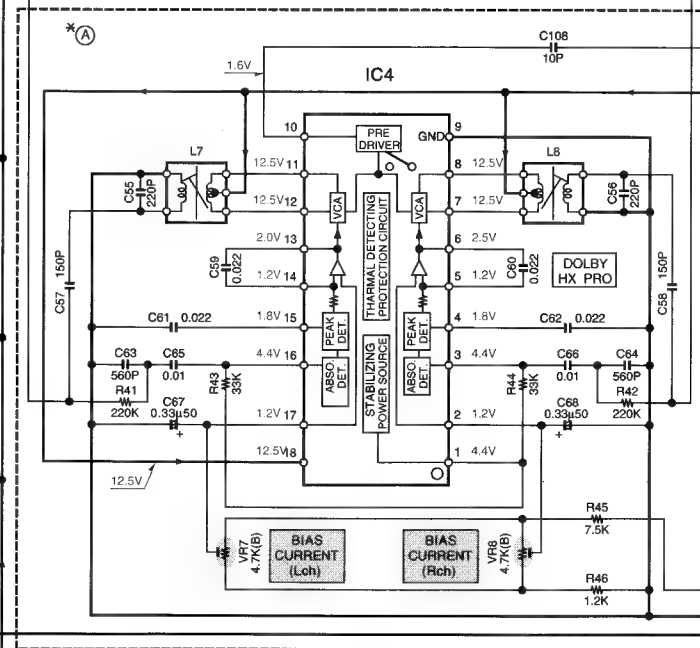
## B(RP) MECHA

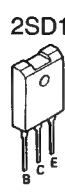
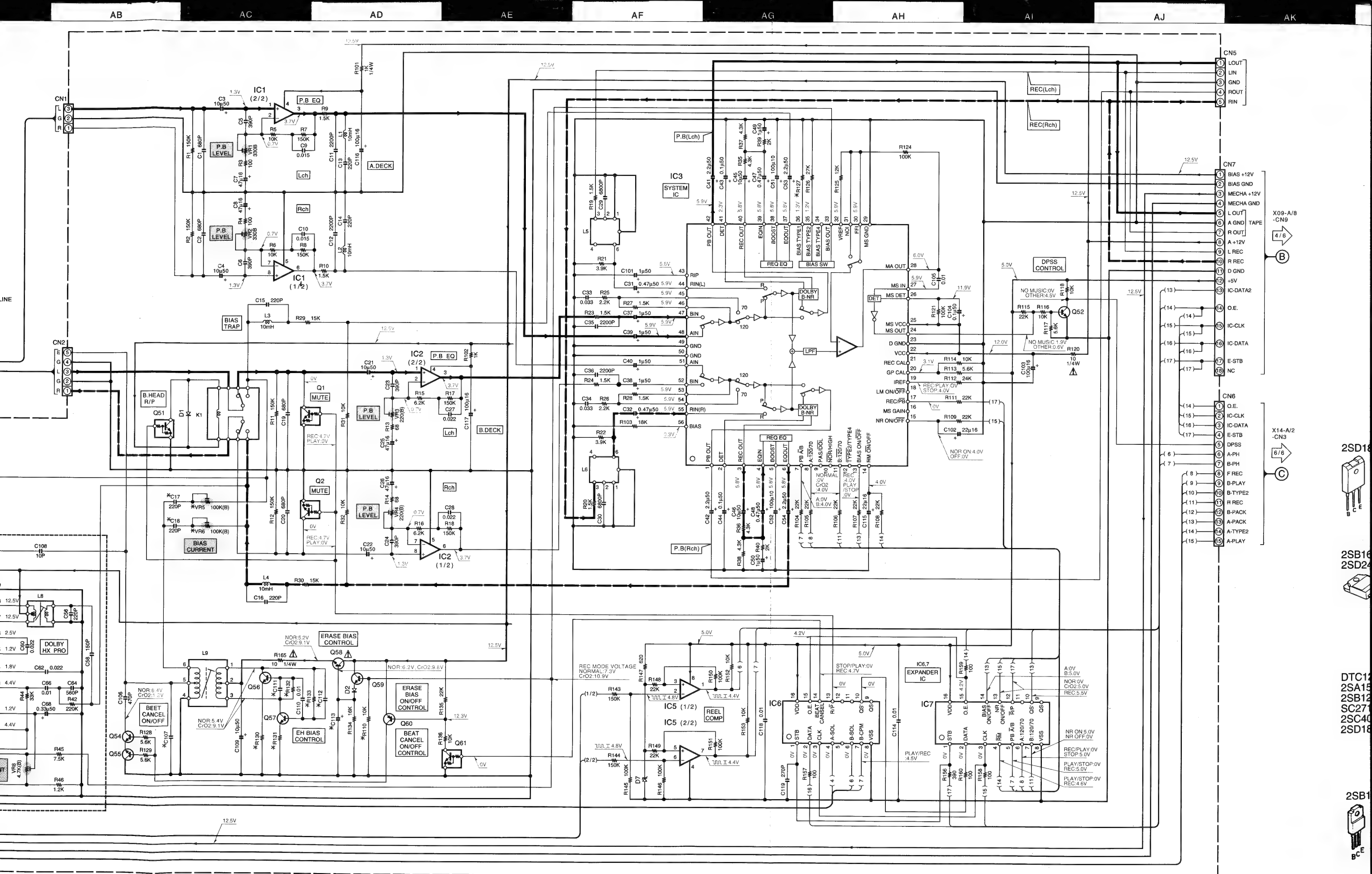


## (X28-2770-0X)



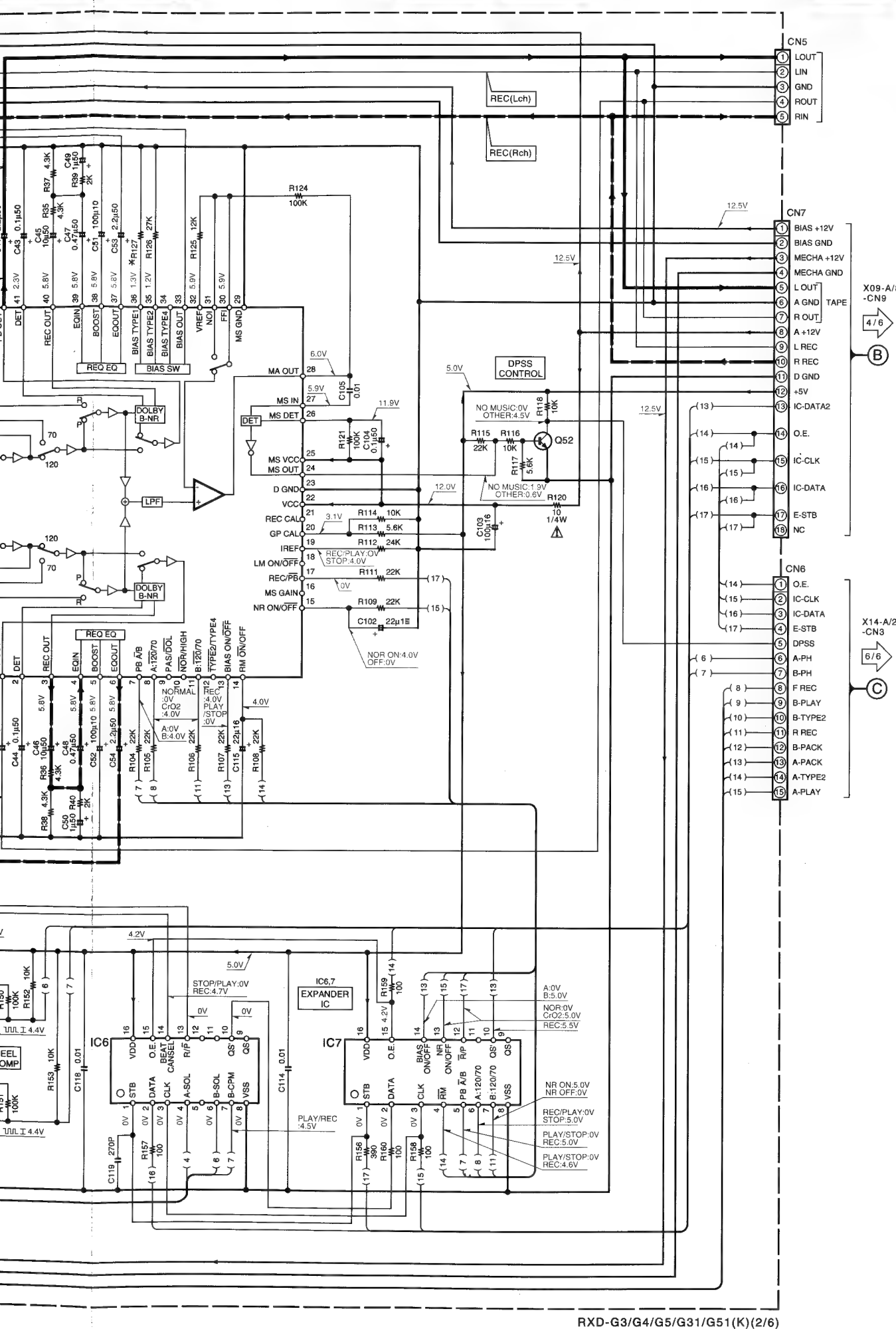
RECORDING LINE  
SIGNAL LINE  
GND LINE  
+B LINE  
-B LINE





DTC1  
2SA15  
2SB12  
SC27  
2SC40  
2SD18





RXD-G3/G4/G5/G31/G51(K)(2/6)

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

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- 2SA1286

2SA954

2SA992

2SC1845

2SC2003

2SC2878

2SC3246

2SC3940A

2SD863

2SB1375

2SD1893

2SB1559

2SD2389

NJM2100D

NJM4565D
- 2SD1894

2SB1565

XRU4052BC

TC74HC166AP

TA8125S

TA8409S
- 2SB1624

2SD2493

2SA1175

2SC2785

TDA7309

BA1450S

BU4094BC

SAA6579
- DTC124EU

2SA1576

2SB1218A2

SC2714

2SC4081

2SD1819A

2SC4137F50

BA10393

M5223P

LA2785L

TDA7431

DTA124ES

DTC124ES

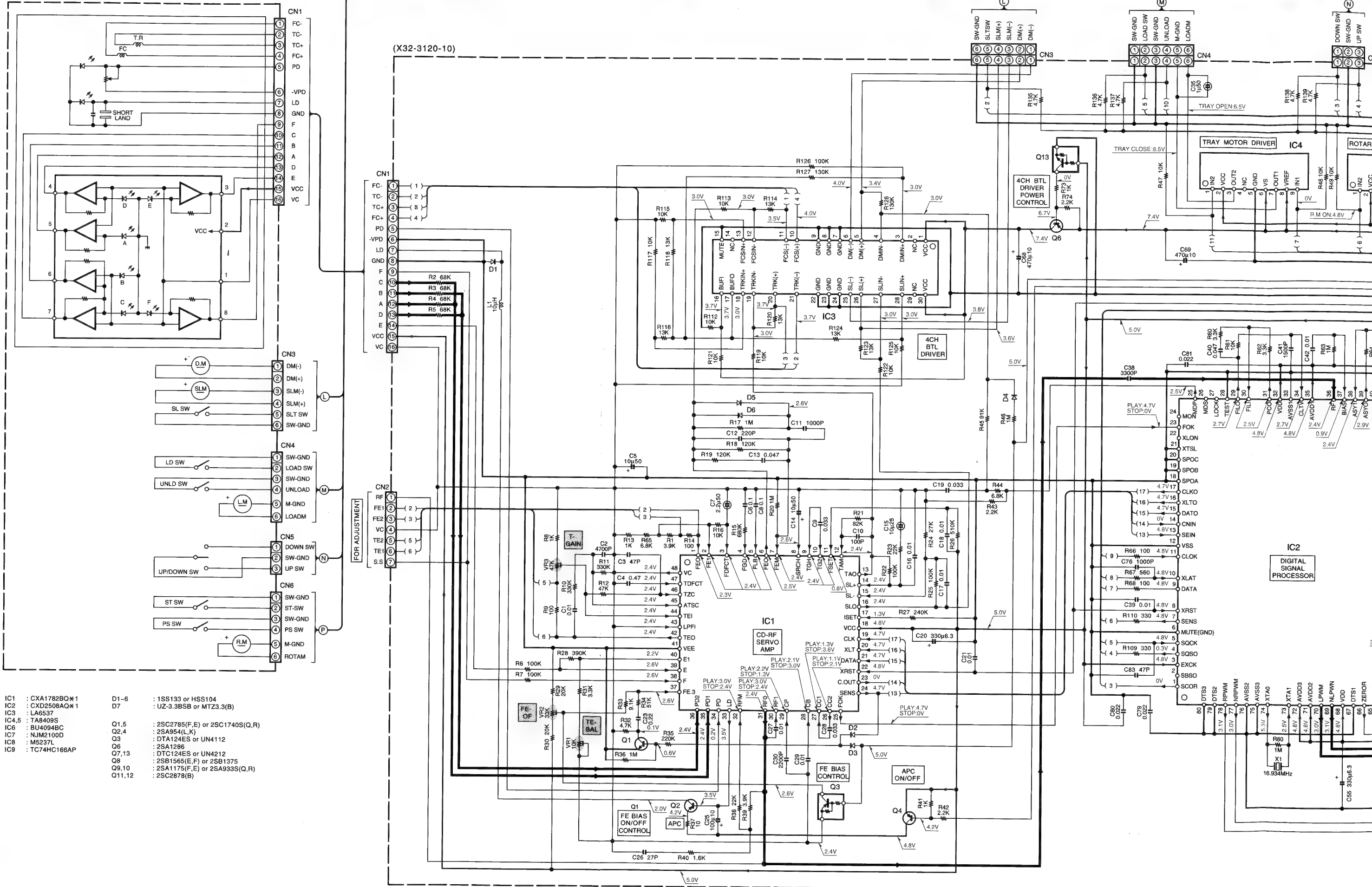
UN4112

2SA933S

2SC1740S
- 2SB1370

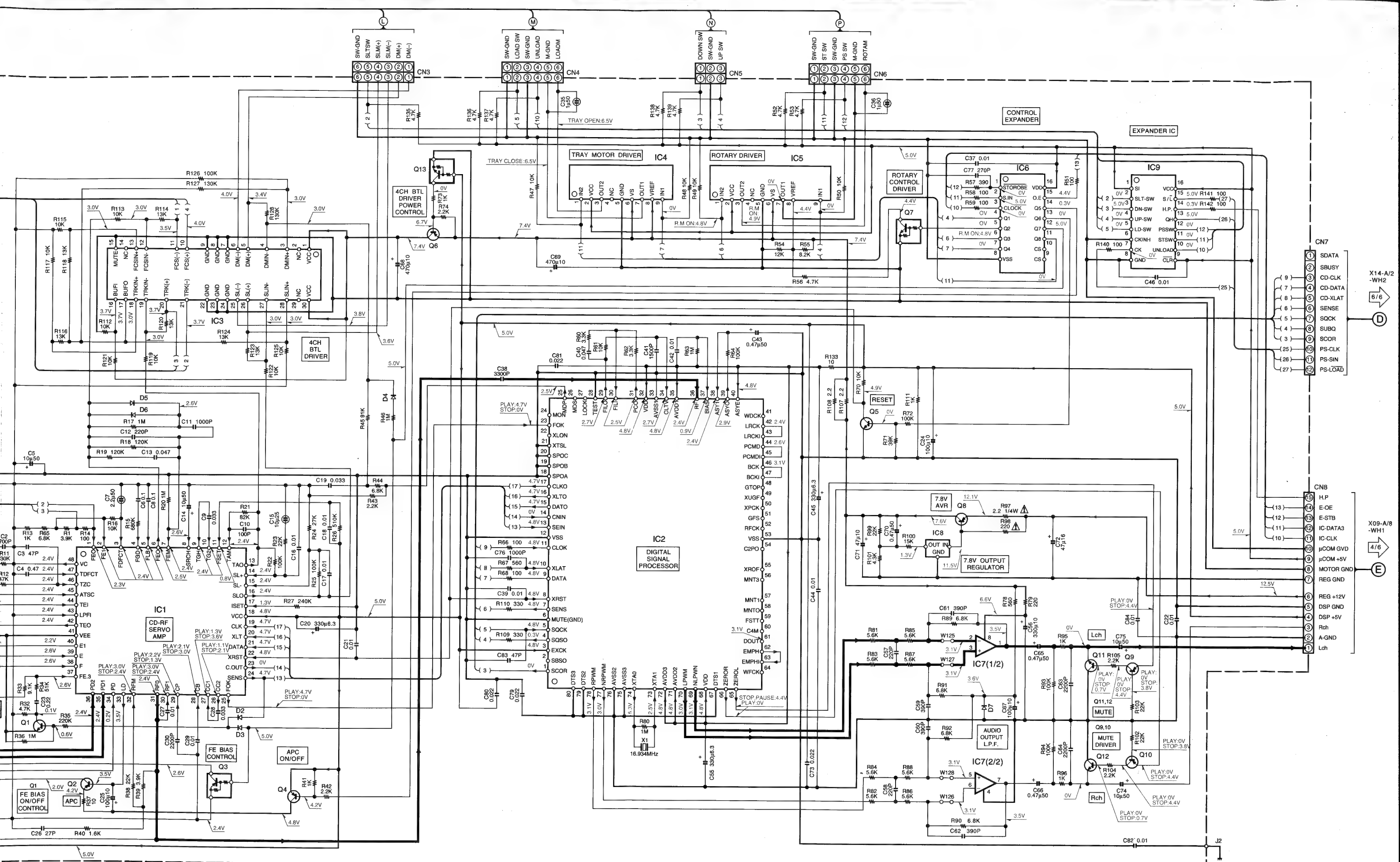
UN4212

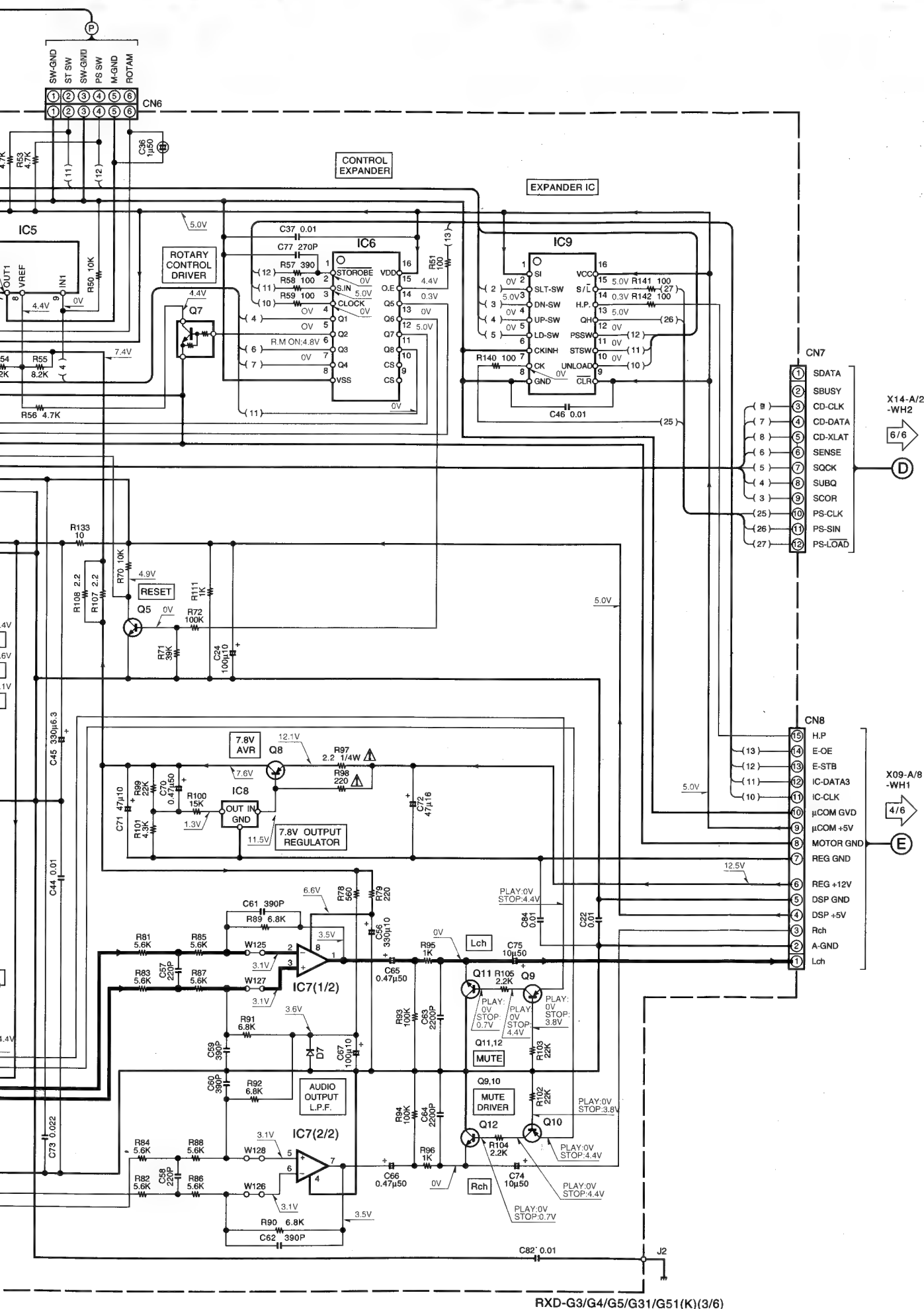
CD CHANGER MECHA.  
(D40-1455-X5)



- IC1 : CXA1782BQ\*1  
IC2 : CXD2508AQ\*1  
IC3 : LA6537  
IC4,5 : TA8409S  
IC6 : BU4094BC  
IC7 : NJM2100D  
IC8 : M5237L  
IC9 : TC74HC166AP
- D1-6 : 1SS133 or HSS104  
D7 : UZ-3.3BSB or MTZ3.3(B)
- Q1,5 : 2SC2785(F,E) or 2SC1740S(Q,R)  
Q2,4 : 2SA954(L,K)  
Q3 : DTA124ES or UN4112  
Q6 : 2SA1286  
Q7,13 : DTC124ES or UN4212  
Q8 : 2SB1565(E,F) or 2SB1375  
Q9,10 : 2SA1175(F,E) or 2SA933S(Q,R)  
Q11,12 : 2SC2878(B)





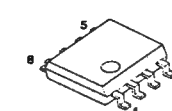


RXD-G3/G4/G5/G31/G51(K)(3/6)

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter. The measurement value may vary depending on the measuring instruments used or on the product. Refer to the voltage during PLAY unless otherwise specified; The value shown in ( ) is the voltage measured at the moment of STOP.

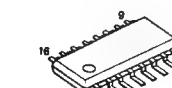
NJM4565MD



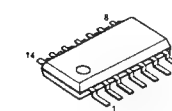
UN5212



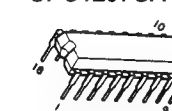
BU4094BCF



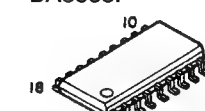
BU4066BCF



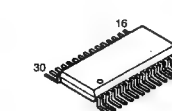
UPC1297CA



BA3835F



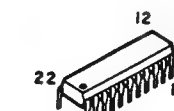
NJU7313AM



TDA2050V

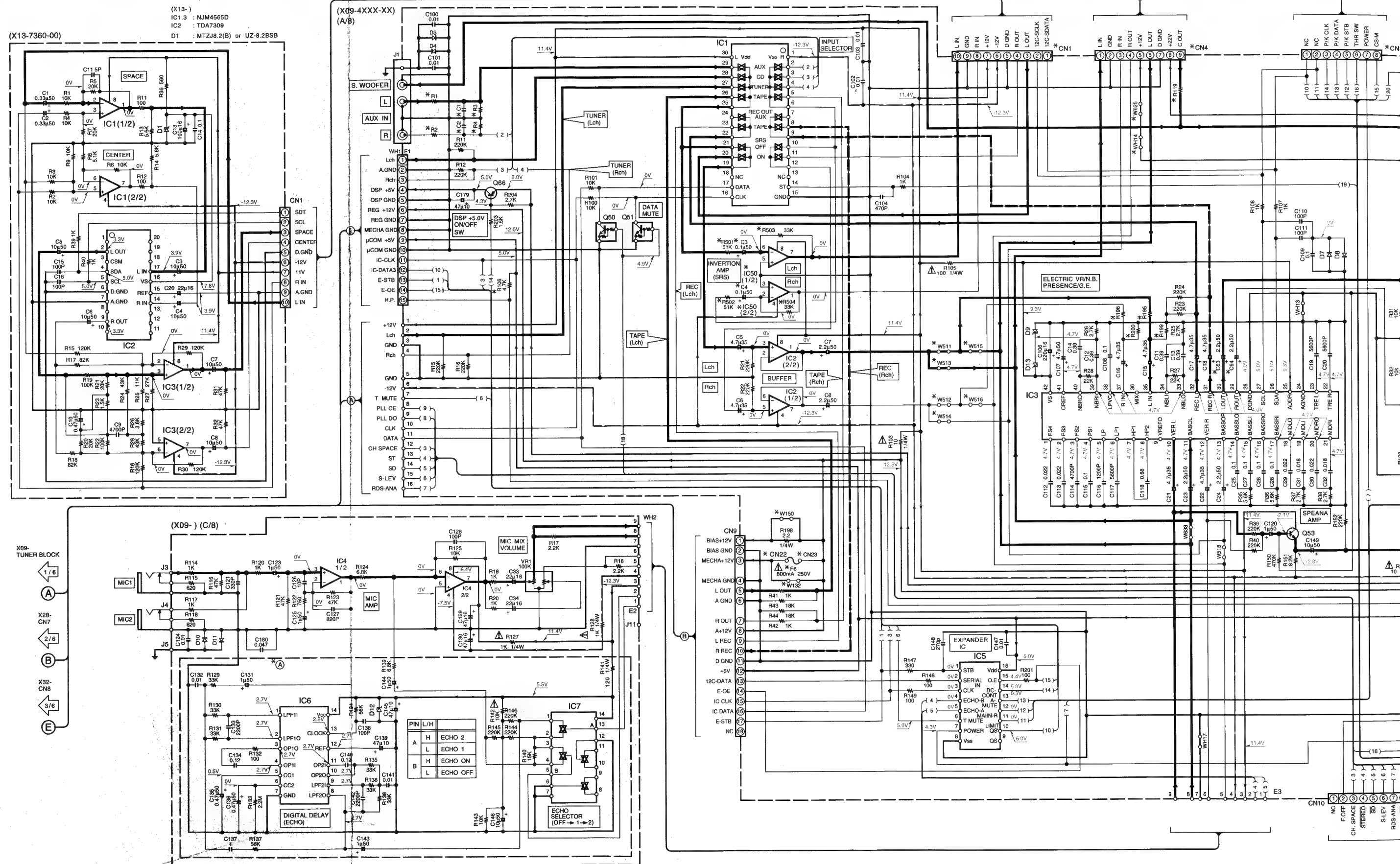


LC72131



Y39-2300-00

**RXD-G3/G4/G5/G31/G51**  
KENWOOD

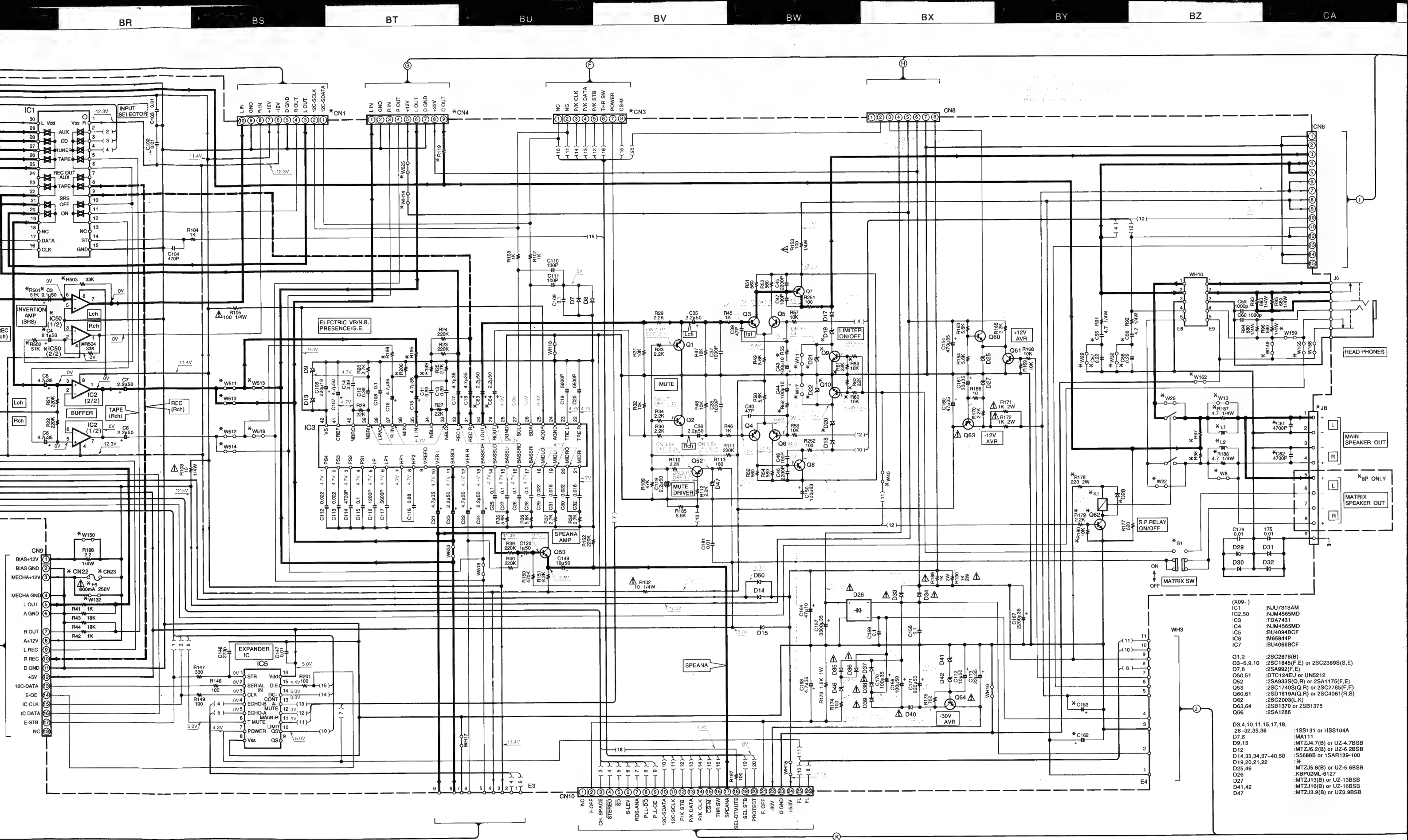


**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in ( ) is actual reading measured in the AM mode.

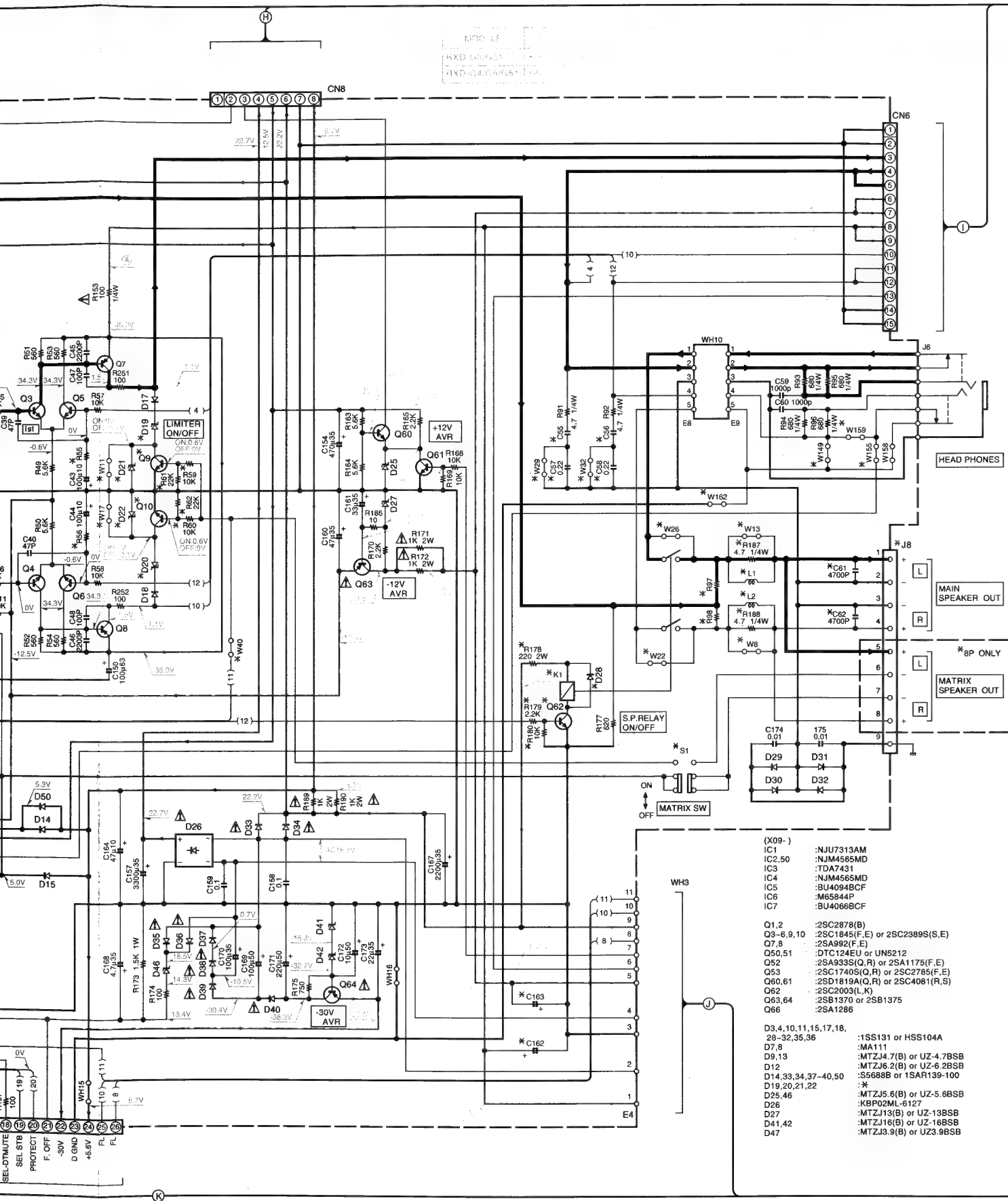
MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB





Impedance type  
 as shown in  
 the measuring  
 actual reading

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB



RXD-G3 (X09-431X-XX)

DESTINATION	UNIT No.	IC50	Q9,10	Q62	D19,20	D21,22	C1,2	C3,4	C55	C57	C61	C63	C162	R1-4	R55	R59-62	R97	R106	R178-180	R187	R195
K	0-11	NO	NO	NO	MTZJ30(B) or UZ-30BSB	NO	NO	NO	0.1	NO	NO	2.2k	4700p	33k	39	NO	8.2k	NO	NO	NO	100
P	0-21	NO	NO	NO	MTZJ15(B) or UZ-15BSB	NO	NO	NO	0.22	YES	YES	3300p	50	33k	43	YES	8.2k	NO	NO	YES	100
Y	0-71	NO	NO	NO	MTZJ15(B) or UZ-15BSB	NO	NO	NO	0.22	YES	YES	3300p	50	33k	43	YES	8.2k	NO	NO	YES	100
X	0-71	NO	NO	NO	MTZJ15(B) or UZ-15BSB	NO	NO	NO	0.22	YES	YES	3300p	50	33k	43	YES	8.2k	NO	NO	YES	100
E	2-71	NO	NO	NO	MTZJ15(B) or UZ-15BSB	NO	NO	NO	0.22	YES	YES	3300p	50	33k	43	YES	8.2k	NO	NO	YES	100
T	0-51	NO	NO	NO	MTZJ15(B) or UZ-15BSB	NO	NO	NO	0.22	YES	YES	3300p	50	33k	43	YES	8.2k	NO	NO	YES	100

DESTINATION	UNIT No.	R198	R199	CN1	CN2	K1	S1	J8	L1,2	F6	W8	W11	W22	W26	W29	W39	W40	W79	W82	W111	W115	W144	W155	W162	W174
K	0-11	YES	NO	NO	NO	NO	NO	4P	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
P	0-21	NO	NO	NO	NO	NO	NO	4P	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Y	0-71	NO	NO	NO	NO	NO	NO	4P	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
X	0-71	NO	NO	NO	NO	NO	NO	4P	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
E	2-71	NO	NO	NO	NO	NO	NO	4P	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
T	0-51	NO	NO	NO	NO	NO	NO	4P	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

RXD-G4 (X09-432X-XX)

DESTINATION	UNIT No.	IC50	Q9,10	Q62	D19,20	D21,22	C1,2	C3,4	C55	C57	C61	C63	C162	R1-4	R55	R59-62	R97	R106	R178-180	R187	R195	R198
K	0-11	NO	NO	NO	MTZJ24(B) or UZ-24BSB	NO	NO	NO	0.1	NO	NO	3.3k	5600p	33k	33	NO	10k	NO	NO	NO	NO	YES
P	0-21	NO	NO	NO	MTZJ24(B) or UZ-24BSB	NO	NO	NO	0.1	NO	NO	3.3k	5600p	33k	33	NO	10k	NO	NO	NO	NO	YES
Y	0-71	NO	NO	NO	MTZJ24(B) or UZ-24BSB	NO	NO	NO	0.1	NO	NO	3.3k	5600p	33k	33	NO	10k	NO	NO	NO	NO	YES
X	0-71	NO	NO	NO	MTZJ24(B) or UZ-24BSB	NO	NO	NO	0.1	NO	NO	3.3k	5600p	33k	33	NO	10k	NO	NO	NO	NO	YES
E	2-71	NO	NO	NO	MTZJ24(B) or UZ-24BSB	NO	NO	NO	0.1	NO	NO	3.3k	5600p	33k	33	NO	10k	NO	NO	NO	NO	YES
T	0-51	NO	NO	NO	MTZJ24(B) or UZ-24BSB	NO	NO	NO	0.1	NO	NO	3.3k	5600p	33k	33	NO	10k	NO	NO	NO	NO	YES

DESTINATION	UNIT No.	R198-200	R501-504	CN1	CN3-4	CN2-23	K1	S1	J8	L1,2	F6	W8	W11, 17, 40, 106, 149, 155, 162, 173, 175, 513-516	W22, 26, 76, 79, 82, 111, 115, 144, 158, 159, 511, 512, 611, 612, 614, 616, 618	W26-32	W39, 132-150	W40											
K	0-11	220K	YES	YES	NO	YES		NO	4P		YES	YES	NO	YES	YES	YES	YES	NO										
P																												
Y																												
M	0-21																											
C	3-01																											
X	0-71																											
E	2-71																											
T	0-51																											

RXD-G5 (X09-445X-XX)

DESTINATION	UNIT No.	IC50	Q9,10	Q62	D19,20	D21,22	C1,2	C3,4	C55	C57	C61	C63	C162	R1-4	R55	R59-62	R97	R106	R178-180	R187	R195
K	0-10	NO	NO	NO	MTZJ24(B) or UZ-24BSB	NO	NO	NO	0.1	NO	NO	3.3k	5600p	33k	33	NO	10k	NO	NO	NO	YES
P	0-21	NO	NO	NO	MTZJ24(B) or UZ-24BSB	NO	NO	NO	0.1	NO	NO	3.3k	5600p	33k	33	NO	10k	NO	NO	NO	YES
Y	0-71	NO	NO	NO	MTZJ24(B) or UZ-24BSB	NO	NO	NO	0.1	NO	NO	3.3k	5600p	33k	33	NO	10k	NO	NO	NO	YES
X	0-71	NO	NO	NO	MTZJ24(B) or UZ-24BSB	NO	NO	NO	0.1	NO	NO	3.3k	5600p	33k	33	NO	10k	NO	NO	NO	YES
E	2-71	NO	NO	NO	MTZJ24(B) or UZ-24BSB	NO	NO	NO	0.1	NO	NO	3.3k	5600p	33k	33	NO	10k	NO	NO	NO	YES
T	0-51	NO	NO	NO	MTZJ24(B) or UZ-24BSB	NO	NO	NO	0.1	NO	NO	3.3k	5600p	33k	33	NO	10k	NO	NO	NO	YES

DESTINATION	UNIT No.	R198	R199-200	CN1-3,4	CN22-29	K1	S1	J8	L1,2	F6	W8-13	W11-17,22-26,39,156,159,511,512	W29-32	W40,75,79,82,106,111,115,144,149,155,162,173,175,513-516,611,612,614,616,618	W132-150	WH
K	0-10	YES			YES					YES						
P																
M	0-21									YES						
V																
C	3-01	NO	10K	YES	NO	YES	NO	4P	NO			NO		YES		
X	0-71													YES		
E	2-71															YES
T	0-51								YES		NO			NO		

RXD-G31 (X09-432X-XX)

DESTINATION	UNIT No.	IC50	Q9,10	Q62	D19,20	D21,22	C1-4	C55	C57	C63	C162	R1-4	R55	R59-62	R97	R106	R178-180	R187	R195
M	0-23	YES	NO	YES	NO	MTZJ15(B) or UZ-15BSB	NO	NO	0.1	NO	2.2k	3300p	50	33k	43	YES	6.2k	NO	
C	3-02	YES	NO	YES	NO	MTZJ15(B) or UZ-15BSB	NO	NO	0.1	NO	2.2k	3300p	50	33k	43	YES	6.2k	NO	

DESTINATION	UNIT No.	R195	R199	CN1,3,4	K1	S1	JL1	F6	WB13,22,29,32,38	WB13,22,29,32,38	WB13,22,29,32,38	WB13,22,29,32,38	WB13,22,29,32,38	WB13,22,29,32,38	WB13,22,29,32,38	WB13,22,29,32,38	WB13,22,29,32,38	WB13,22,29,32,38	WB13,22,29,32,38	
M	0-23	100	220k	NO	NO	YES	8P	NO	NO	YES										WH
C	3-02	100	220k	NO	NO	YES	8P	NO	NO	YES										N

RXD-G51 (X09-445X-XX)

DESTINATION	UNIT No.	R198	R199	CN1	CN2	K1	S1	J8	L1,2	F6	W8	W13	W22	W26	W29	W39	W40	W79	W82	W111	W115	W144	W155	W162	W174
K	0-23	YES	YES	YES	YES	NO	NO	NO	NO	YES	0.1	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
P	0-23	YES	YES	YES	YES	NO	NO	NO	NO	YES	0.1	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
C	3-03	YES	YES	YES	YES	NO	NO	NO	NO	YES	0.1	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

DESTINATION	COUNTRY	ABB
U.S.A.	K	
CANADA	P	
PX	Y	
GENERAL MARKET	M	
MALAYSIA	I	
CHINA	C	
AUSTRALIA	X	
EUROPE	E	
J.K.	T	

RECORDING LINE  
 SIGNAL LINE  
 GND LINE  
 -R LINE  
 -B LINE

RXD-G3/G4/G5/G31/G51(K)(4/6)

Y39-2300-00

# RXD-G3/G4/G5/G31/G51

## KENWOOD

X09-A/8  
-CN8  
4/6  
H  
X09-A/8  
-CN3  
4/6  
F  
X09-A/8  
-CN4  
4/6  
G  
X09-A/8  
-CN6  
4/6  
I

RXD-G3 (X09-431X-XX)

DESTINATION	UNIT No.	Q13,14	Q15,16	Q59	F1,2	F3
K	0-11	2SD2389	2SB1559	2SD1894	5A	4A
P	0-21	2SD2493	2SB1624	2SD1893	T4A	T2.5A
Y	0-71				L 250V	L 250V
M	0-71					
I	2-71					
C	0-51					

RXD-G4 (X09-432X-XX)

DESTINATION	UNIT No.	Q13,14	Q15,16	Q59	F1,2	F3
K	0-11	2SD2389	2SB1559	2SD1894	5A	4A
P	0-21	2SD2493	2SB1624	2SD1893	T4A	T2.5A
Y	0-71				L 250V	L 250V
M	0-71					
I	2-71					
C	0-51					

RXD-G5 (X09-445X-XX)

DESTINATION	UNIT No.	Q13,14	Q15,16	Q59	F1,2	F3
K	0-10	2SD2389	2SB1559	2SD1894	5A	4A
P	0-21	2SD2493	2SB1624	2SD1893	T4A	T2.5A
Y	0-71				L 250V	L 250V
M	0-71					
I	2-71					
C	0-51					

RXD-G31 (X09-431X-XX)

DESTINATION	UNIT No.	Q13,14	Q15,16	Q59	F1,2	F3
M	0-22	2SD2493	2SB1624	2SD1893	T4A	T2.5A
I	3-01				L 250V	L 250V
C	3-01					

RXD-G51 (X09-445X-XX)

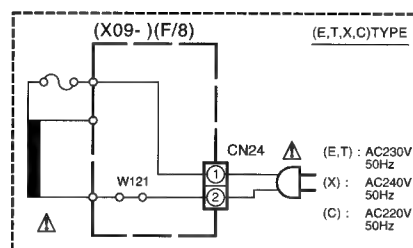
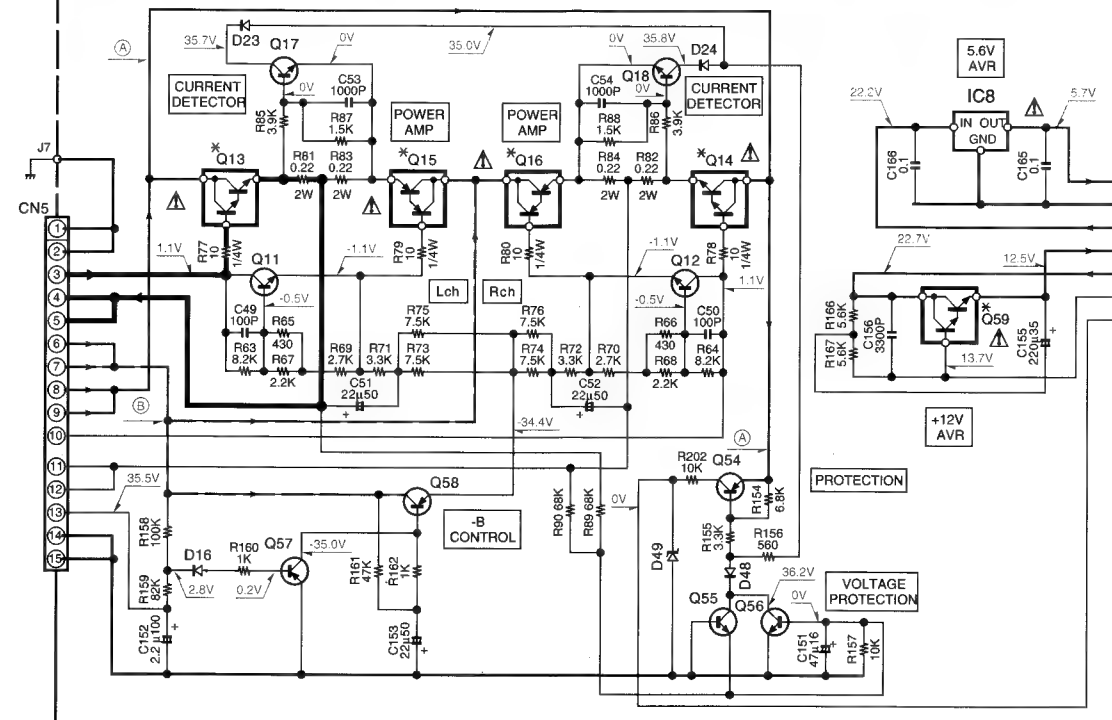
DESTINATION	UNIT No.	Q13,14	Q15,16	Q59	F1,2	F3
M	0-22	2SD2493	2SB1624	2SD1893	T4A	T2.5A
I	3-02				L 250V	L 250V
C	3-02					

DESTINATION	COUNTRY	ABB.
U.S.A.	U.S.A.	K
CANADA	CANADA	P
PX	PX	Y
GENERAL MARKET	GENERAL MARKET	M
CHINA	CHINA	C
AUSTRALIA	AUSTRALIA	X
EUROPE	EUROPE	E
U.K.	U.K.	T

MODELS	(A)	(B)
RXD-G3/G31	+36.5V	-36.5V
RXD-G4/G5/G51	+42.0V	-42.0V

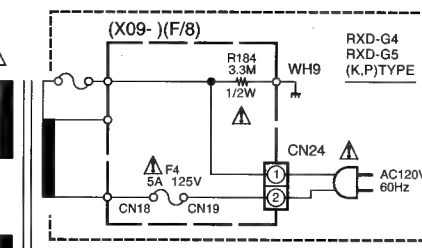
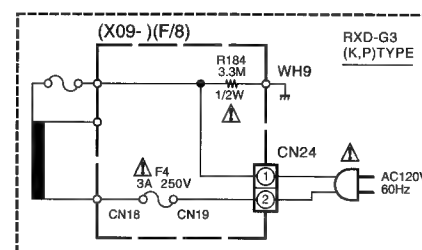
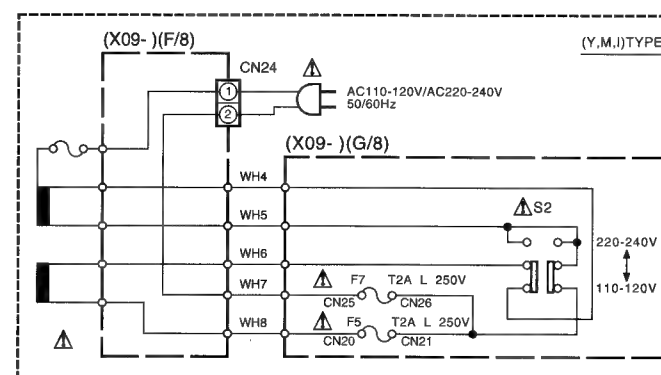
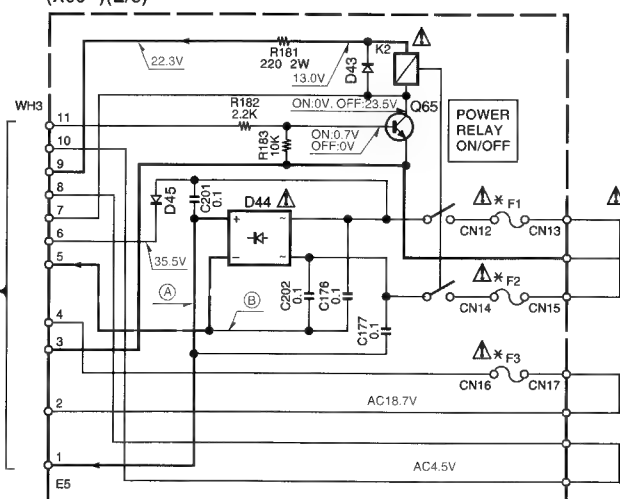
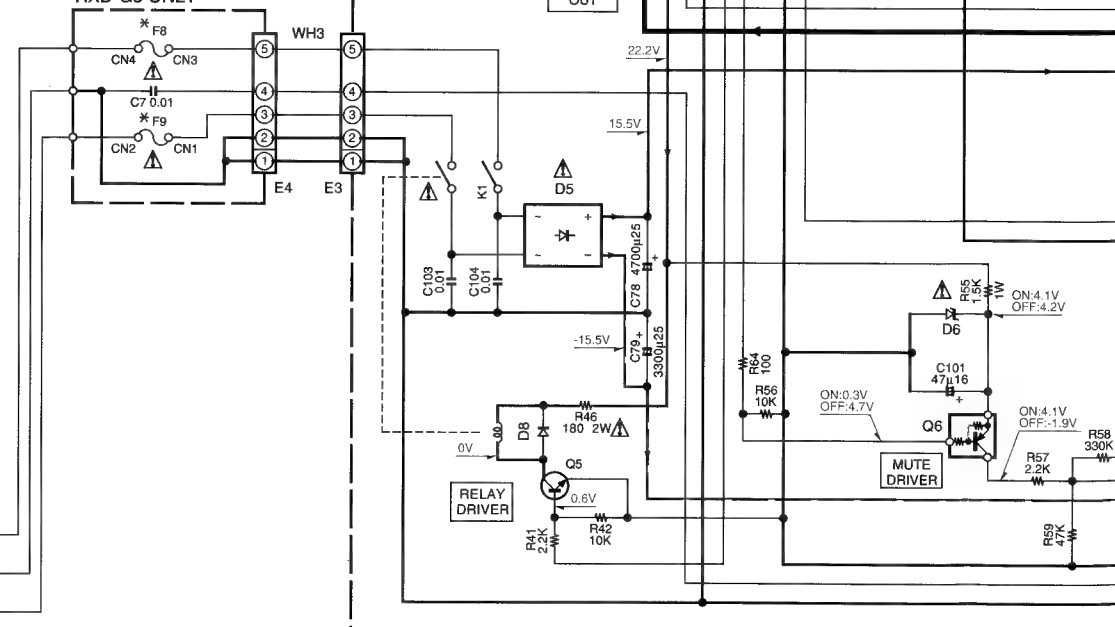
X09-A/8  
-WH3  
4/6  
J

(X09-4XXX-XX)(B/8)

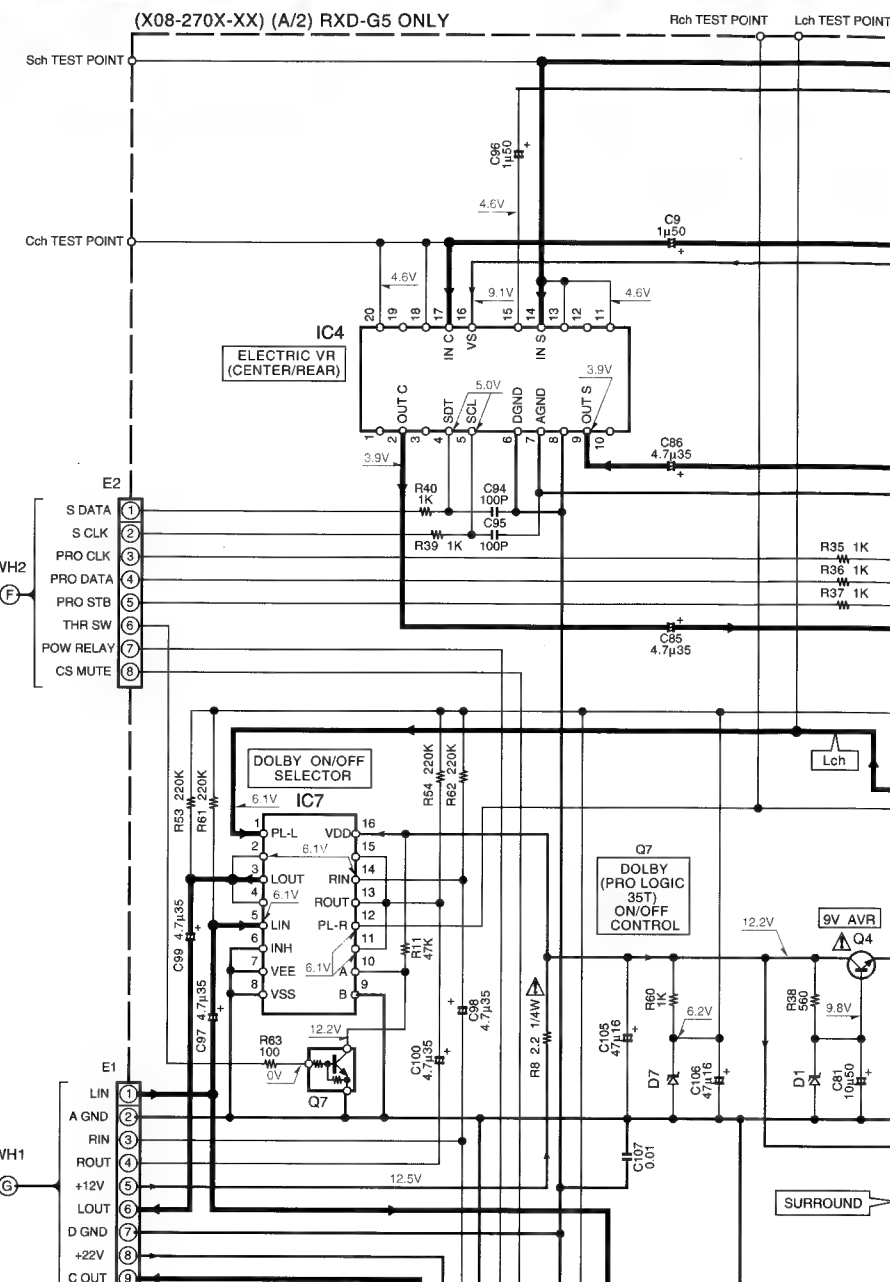


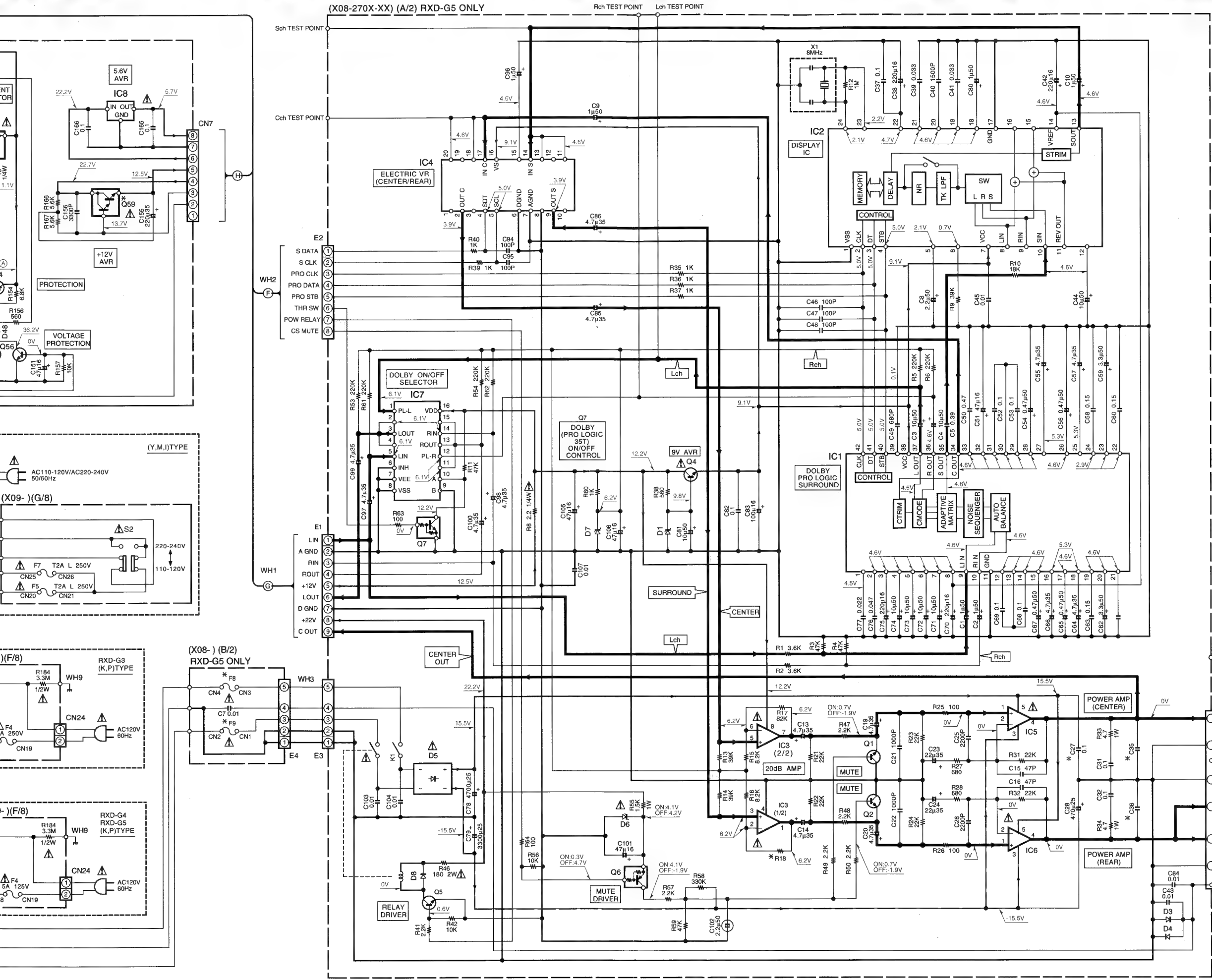
(X09- )  
IC8 :TA78057S  
Q11,12 :2SC4137F50(V,W)  
Q13,14 : \*  
Q15,16 : \*  
Q17,18,55,56,65 :2SC2003(L,K)  
Q54,57 :2SA933S(Q,R) or 2SA1175(F,E)  
Q58 :2SA945(L,K)  
Q59 : \*  
D16,23,24,43,48 :1SS131 or HSS104A  
D44 :D3BA20F03 or RBV-402LFA  
D45 :S5688B or 1SR139-100  
D49 :MTZJ5.1(B) or UZ-5.1BSB

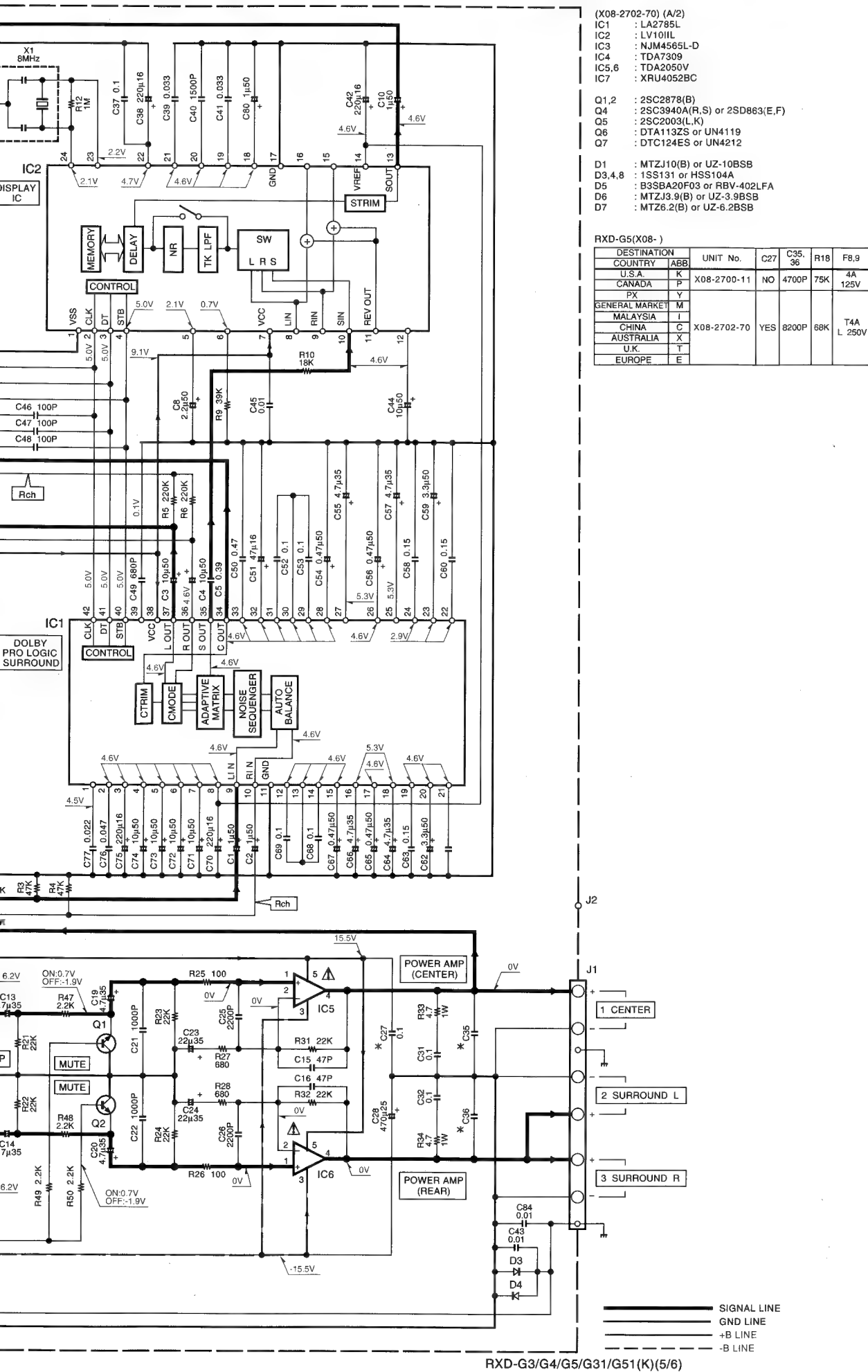
(X09-)(E/8)

(X08-)(B/2)  
RXD-G5 ONLY

(X08-270X-XX) (A/2) RXD-G5 ONLY





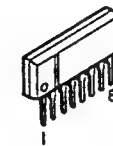


**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

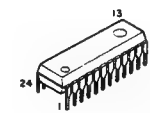
The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

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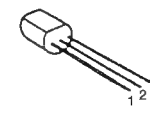
NJM4565L-D



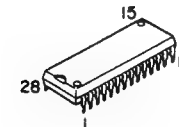
LV1011L



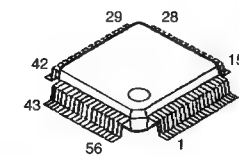
M5237L



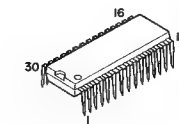
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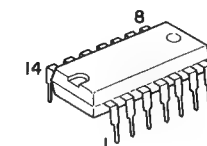
HA12182F



LA6537



M65844P



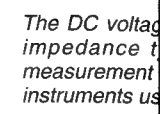
Y39-2300-00

RXD-G3/G4/G5/G31/G51

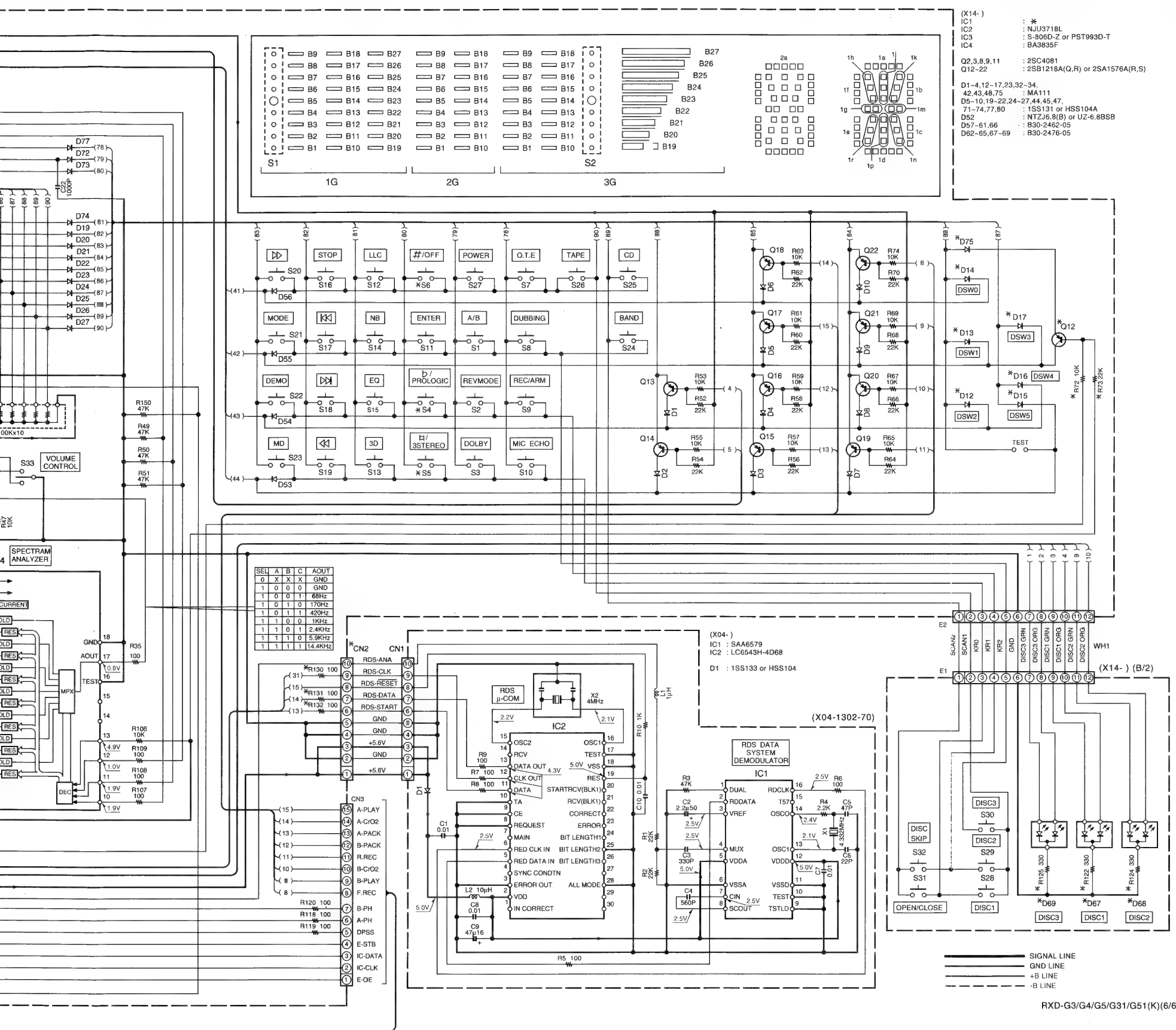
KENWOOD







DESTINATION	ABB
U.S.A.	K
CANADA	P
PX	Y
GENERAL MARKET	M
MALAYSIA	I
CHINA	C
AUSTRALIA	X
U.K.	T
EUROPE	E



RXD-G3 (X14-410X-XX)

DESTINATION	UNIT No.	IC1	Q12	D12	D13	D14	D15-17, 67-69
K	0-11		NO			NO	
P							
Y			YES	NO	NO	YES	NO
M	0-21	M38198MC-069-FP					
I							
C	0-71		NO	NO	YES	YES	NO
X	0-51						
T	0-51		NO	YES	NO	YES	NO
E	2-71						

DESTINATION	UNIT No.	D75	S4-6	ED1	CH2	R72, 73	R122,124,125, 130-132
K	0-11	NO				NO	
P							
Y							
M	0-21	YES	NO	BJ428GK	NO	YES	NO
I							
C	0-71						
X	0-51	NO					
T	0-51						
E	2-71						

RXD-G4 (X14-411X-XX)

DESTINATION	UNIT No.	IC1	Q12	D12	D13	D14	D15,17 67-69
K	0-11		NO			NO	
P							
Y			YES	NO	NO	NO	YES
M	0-21	M38198MC-069-FP					
I							
C	0-71		YES	NO	YES	YES	NO
X	0-51	M38199MF-051FP					
T	0-51		NO	YES	NO	YES	NO
E	2-71						

DESTINATION	UNIT No.	D75	S4-6	ED1	CH2	R72, 73	R122,124, 125	R130-132
K	0-11	NO				NO		
P								
Y								
M	0-21	YES	NO	FIP10FMWBR	NO	YES	YES	NO
I								
C	0-71							
X	0-51	NO						
T	0-51							
E	2-71							

RXD-G5 (X14-411X-XX)

DESTINATION	UNIT No.	IC1	Q12	D12	D13	D14	D15,17 67-69
K	0-12		NO			NO	
P							
Y							
M	0-22	M38198MC-069-FP					
I			YES	NO	YES	YES	NO
C	0-72						
X	0-52		NO	YES	NO	YES	NO
T	0-52						
E	2-72	M38199MF-051FP					

DESTINATION	UNIT No.	D75	S4-6	ED1	CH2	R72, 73	R122,124, 125	R130-132
K	0-12	NO				NO		
P								
Y								
M	0-22	YES	YES	FIP10FMWBR	NO	YES	YES	NO
I								
C	0-72	NO						
X	0-52							
T	0-52							
E	2-72							

RXD-G31 (X14-4100-22)

DESTINATION	UNIT No.	IC1	Q12	D12,13,15, 16,67-69	D14,17, 75
M	0-22	M38198MC-069-FP	YES	NO	YES
I					
C					

RXD-G51 (X14-4110-23)

DESTINATION	UNIT No.	IC1	Q12	D12,13, 16	D14,15,17, 67-69,75
M	0-23	M38198MC-069-FP	YES	NO	YES
I					
C					

DESTINATION	COUNTRY	ABB
U.S.A.	U.S.A.	K
CANADA	CANADA	P
JP	JP	Y
GENERAL MARKET	GENERAL MARKET	M
CHINA	CHINA	C
AUSTRALIA	AUSTRALIA	X
U.K.	U.K.	I
EUROPE	EUROPE	E

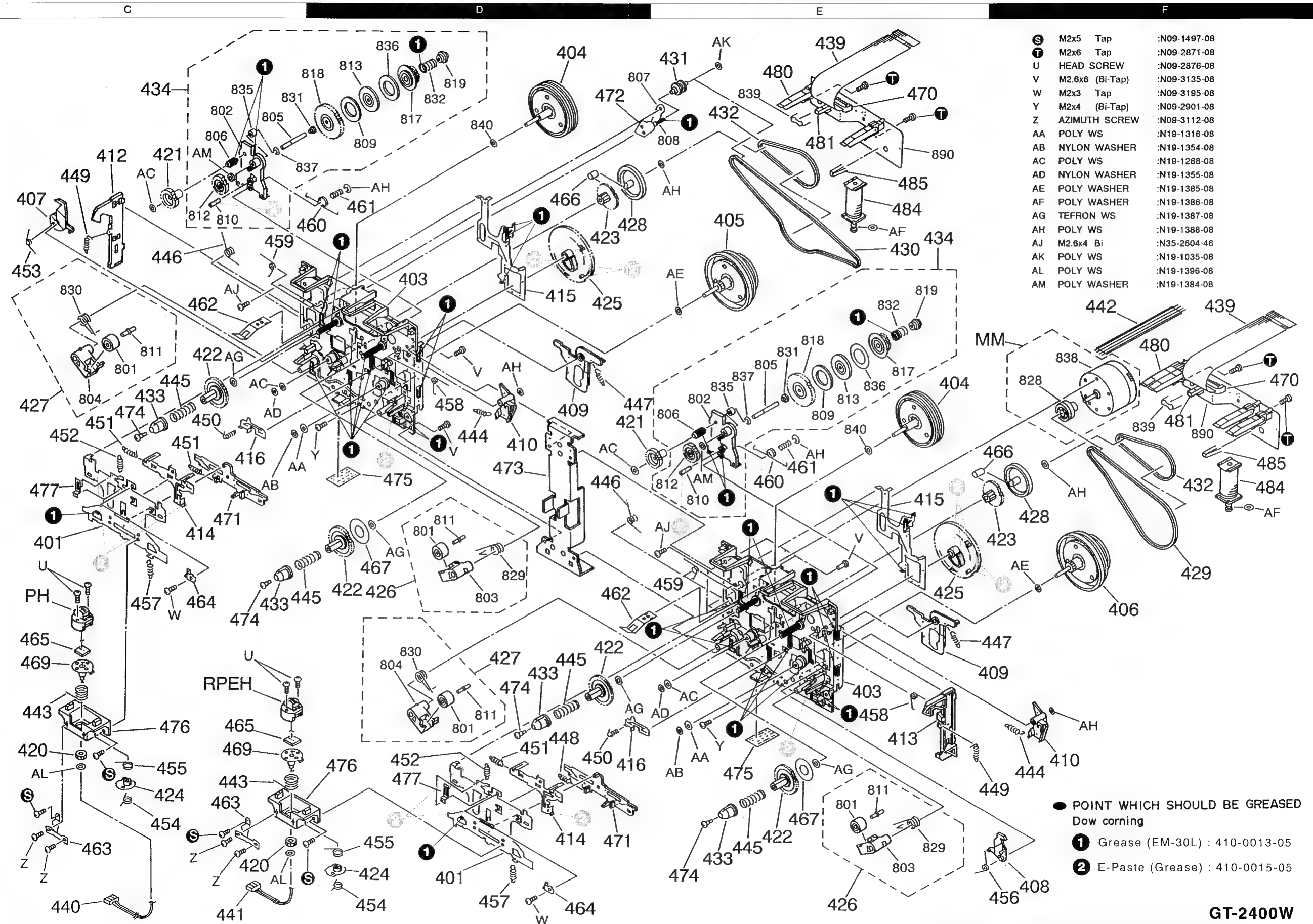
**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.



# RXD-G3/G4/G5/G31/G51 RXD-G3/G4/G5/G31/G51

## EXPLODED VIEW (CASSETTE DECK MECHANISM)

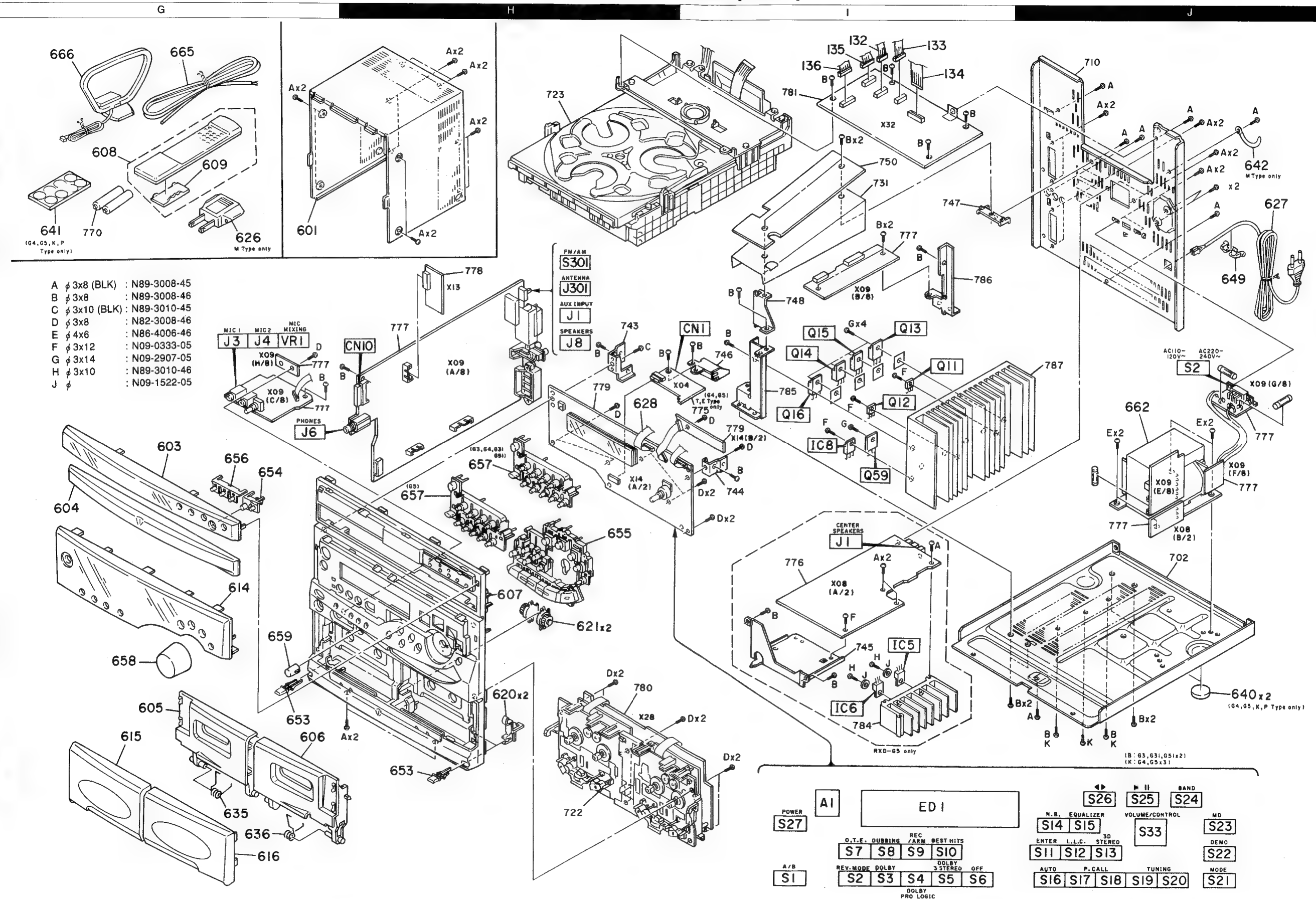


GT-2400W





**RXD-G3/G4/G5/G31/G51      RXD-G3/G4/G5/G31/G51**  
**EXPLODED VIEW (UNIT)**



Parts with the exploded numbers larger than 700 are not supplied.



\* New Parts  
Parts without **Parts No.** are not supplied.  
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.  
Teile ohne **Parts No.** werden nicht geliefert.

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
IC2 IC3 IC4 IC5,6 IC7	31	*	LV1011L	DI BI-POLAR IC		
		*	NJM4565L-D	ANALOGUE IC		
		*	TDA7309	ANALOGUE IC		
Q1,2 Q4 Q5 Q6			2SC2878(B)	TRANSISTOR		
			2SC3940A(R,S)	TRANSISTOR		
			2SD863(E,F)	TRANSISTOR		
			2SC2003(L,K)	TRANSISTOR		
			DTA113ZS	DIGITAL TRANSISTOR		
Q6 Q7 Q7			UN4119	TRANSISTOR		
			DTC124ES	DIGITAL TRANSISTOR		
			UN4212	TRANSISTOR		
AUDIO UNIT-TUNER (X09-4XXX-XX)						
C1,2 C1,2 C3,4 C5,6 C7,8			CC45FCH1H060D	CERAMIC	TE	3,4
			CK45FB1H471K	CERAMIC	TE	5
			CE04LW1H0R1M	ELECTRO		5
			CE04LW1V4R7M	ELECTRO		
			CE04LW1H2R2M	ELECTRO		
C11-14 C15-18 C19,20 C21,22 C23,24			CF92FV1H394J	MF-C		
			CE04LW1V4R7M	ELECTRO		
			CK73FB1H562K	CHIP C		
			CE04LW1V4R7M	ELECTRO		
			CE04LW1H2R2M	ELECTRO		
C25-28 C29,30 C31,32 C33,34 C35,36			CK73FB1E104K	CHIP C		
			CK73FB1H223K	CHIP C		
			CK73FB1H183K	CHIP C		
			CE04LW1C220M	ELECTRO		
			CE04LW1H2R2M	ELECTRO		
C37,38 C39,40 C43,44 C45,46 C47,48			CK73FB1H102K	CHIP C		
			CK73FSL1H470J	CHIP C		
			CE04LW1A101M	ELECTRO		
			CK73FB1H222K	CHIP C		
			CK73FSL1H101J	CHIP C		
C49,50 C51,52 C53,54 C55,56 C57,58			CC45FSL1H101J	CERAMIC		
			CE04LW1H220M	ELECTRO		
			CK45FB1H102K	CERAMIC		
			CQ92FM1H104J	MYLAR		
			CF92FV1H224J	MF-C		
C59,60 C61,62 C63,64 C63,64 C100			CK45FB1H102K	CERAMIC		
			CK45FF1H472Z	CERAMIC		
			CE04LW1H2R2M	ELECTRO		
			CE04LW1H3R3M	ELECTRO		
			CK45FF1H103Z	CERAMIC		
C101-103 C104 C106 C107 C108,109			CK45FF1H103Z	CERAMIC		
			CC73FSL1H471J	CHIP C		
			CE04LW1C221M	ELECTRO		
			CE04LW1V4R7M	ELECTRO		
			CK73FB1E104K	CHIP C		
C110,111 C112,113 C114 C115 C116			CC73FSL1H101J	CHIP C		
			CK73FB1H223K	CHIP C		
			CK73FB1H472K	CHIP C		
			CK73FB1E104K	CHIP C		
			CK73FB1H122K	CHIP C		

L : Scandinavia K : USA P : Canada 3 : RXD-G3 4 : RXD-G4  
Y : PX(Far East, Hawaii) T : Europe E : Europe 5 : RXD-G5 31 : RXD-G31  
Y : AAFES(Europe) X : Australia M : Other Areas 51 : RXD-G51  
C : China I : Malaysia  indicates safety critical components.

\* New Parts  
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Teile ohne **Parts No.** werden nicht geliefert.

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C117 C118 C119 C120 C121			CK73FB1H562K	CHIP C		
			CF92FV1H684J	MF-C		
			CE04HW1H2R2M	NP-ELEC		
			CE04LW1H010M	ELECTRO		
			CC73FSL1H331J	CHIP C		
C123 C124 C125 C126 C127			CE04LW1H010M	ELECTRO		
			CK73FB1H103K	CHIP C		
			CE04LW1H010M	ELECTRO		
			CC73FCH1H100D	CHIP C		
			CC73FSL1H821J	CHIP C		
C128 C129,130 C131 C132 C133			CC73FSL1H101J	CHIP C		
			CE04LW1C470M	ELECTRO		
			CE04LW1H010M	ELECTRO		
			CK73FB1H103K	CHIP C		
			CK73FB1H222K	CHIP C		
			CE04LW1H010M	ELECTRO		
			CE04LW1A470M	ELECTRO		
C134 C135,136 C137 C138 C139			CF92FV1H124J	MF-C		
			CE04LW1HR47M	ELECTRO		
			CF92FV1H105J	MF-C		
			CC73FSL1H101J	CHIP C		
			CE04LW1A470M	ELECTRO		
C140 C141 C142 C143,144 C145			CF92FV1H124J	MF-C		
			CK73FB1H103K	CHIP C		
			CK73FB1H222K	CHIP C		
			CE04LW1H010M	ELECTRO		
			CE04LW1A470M	ELECTRO		
C146 C147 C148 C149 C150			CE04LW1H100M	ELECTRO		
			CK73FB1H103K	CHIP C		
			CC73FSL1H271J	CHIP C		
			CE04LW1H100M	ELECTRO		
			CE04LW1J101M	ELECTRO		
C151 C152 C153 C154 C155			CE04LW1C470M	ELECTRO		
			CE04LW2A2R2M	ELECTRO		
			CE04LW1H220M	ELECTRO		
			CE04LW1V471M	ELECTRO		
			CE04LW1V221M	ELECTRO		
C156 C157 C157 C157 C158,159			CQ92FM1H332J	MYLAR		
			CE04LW1V332M	ELECTRO		
			CE04LW1V332M	ELECTRO		
			C90-3310-05	ELECTRO		
			CK73FB1E104K	CHIP C		
C160 C161 C162,163 C162,163 C162,163			CE04LW1V470M	ELECTRO		
			CE04LW1V330M	ELECTRO		
		*	C90-3596-05	ELECTRO		
		*	C90-3596-05	ELECTRO		
		*	C90-3597-05	ELECTRO		
C162,163 C162,163 C162,163 C164 C165,166			C90-3598-05	ELECTRO		
		*	C90-3598-05	ELECTRO		
		*	C90-3599-05	ELECTRO		
		*	CE04LW1A470M	ELECTRO		
			CQ92FM1H104J	MYLAR		
C167 C167 C167 C168 C169			CE04LW1V222M	ELECTRO		
			CE04LW1V222M	ELECTRO		
			C90-3309-05	ELECTRO		
			CE04LW1V4R7M	ELECTRO		
			CE04LW1H101M	ELECTRO		

L : Scandinavia K : USA P : Canada 3 : RXD-G3 4 : RXD-G4  
Y : PX(Far East, Hawaii) T : Europe E : Europe 5 : RXD-G5 31 : RXD-G31  
Y : AAFES(Europe) X : Australia M : Other Areas 51 : RXD-G51  
C : China I : Malaysia  indicates safety critical components.

RXD-G3/G4/G5/G31/G51  
PARTS LIST

\* New Parts  
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Teile ohne **Parts No.** werden nicht geliefert.

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C170 C171 C172 C173 C174,175			CE04LW1V101M	ELECTRO		
			CE04LW1H221M	ELECTRO		
			CE04LW1H100M	ELECTRO		
			CE04LW1V220M	ELECTRO		
			CK45FF1H103Z	CERAMIC		
C176,177 C179 C180 C181 C201,202			C91-1422-05	MP		
			CE04LW1A470M	ELECTRO		
			CK45FF1H473Z	CERAMIC		
			CK73EB1H103K	CHIP C		
			C91-1422-05	MP		
C301,302 C303 C304 C305 C306			CK73FB1H103K	CHIP C		
			CE04LW1H010M	ELECTRO		
			CE04LW1C470M	ELECTRO		
			CE04LW1A101M	ELECTRO		
			CK73FB1H223K	CHIP C		
C307 C308 C309 C310 C311,312			CE04LW1H010M	ELECTRO		
			CK73FB1H103K	CHIP C		
			CE04LW1H010M	ELECTRO		
			CE04LW1HR22M	ELECTRO		
			CQ92FM1H123J	MYLAR		
C311,312 C311,312 C313 C315 C316			CQ92FM1H123J	MYLAR		
			CQ92FM1H223J	MYLAR		
			CK45FF1H473Z	CERAMIC		
			CE04LW1C100M	ELECTRO		
			CK73FB1H681K	CHIP C		
C317 C318 C319 C320 C322			CC73FSL1H101J	CHIP C		
			CK73FB1H152K	CHIP C		
			CK73FB1H682K	CHIP C		
			CC73FSL1H101J	CHIP C		
			CE04LW1C100M	ELECTRO		
C323 C324 C325 C326 C327			CE04LW1H2R2M	ELECTRO		
			CE04LW1A101M	ELECTRO		
			CK45FF1H223Z	CERAMIC		
			CC73FCH1H220J	CHIP C		
			CK73FB1H223K	CHIP C		
C328 C329 C330 C331 C332			CE04LW1H010M	ELECTRO		
			CC73FSL1H020C	CHIP C		
			CC73FCH1H220J	CHIP C		
			CC73FCH1H060D	CHIP C		
			CK73FB1H222K	CHIP C		
C333 C334 C343 C344 C345			CK73FB1H103K	CHIP C		
			CC73FSL1H101J	CHIP C		
			CC73FSL1H471J	CHIP C		
			CC73FCH1H220J	CHIP C		
			CC73FCH1H270J	CHIP C		
C346 C347,348 C349 C350 C351			C91-0757-05	CERAMIC		
			CK73FB1H102K	CHIP C		
			CE04LW1C470M	ELECTRO		
			CE04LW1H2R2M	ELECTRO		
			CQ92FM1H223J	MYLAR		
C352 C353 C354 C355,356 C381			CE04LW1A470M	ELECTRO		
			CK73FB1H103K	CHIP C		
			CC73FSL1H101J	CHIP C		
			CK73FB1H103K	CHIP C		
			CE04LW1H0R1M	ELECTRO		

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C382,383 C385,386 C387,388 C401 C402-405			CE04LW1C470M CE04LW1C100M CQ92FM1H822J CK73FCH1H330J CK73FB1H102K	ELECTRO 47UF 16VV ELECTRO 10UF 16VV MYLAR 8200PF J CHIP C 33PF J CHIP C 1000PF K	YMIC TE TE	4,5 4,5
C406 C406 C407 C408 C411			CK73FB1H333K CK73FB1H333K CK73FB1H333K CK73FB1E473K CC73FCH1H100D	CHIP C 0.033UF K CHIP C 0.033UF K CHIP C 0.033UF K CHIP C 0.047UF K CHIP C 10PF D	KPYMIC XE T T	
C431,432			CE04LW1HR47M	ELECTRO 0.47UF 50VV		
CN1 CN3 CN4 CN5 CN6			E40-4691-05 E40-3252-05 E40-3253-05 E40-9872-05 E40-9871-05	PIN ASSY PIN ASSY PIN ASSY SOCKET FOR PIN ASSY PIN ASSY		4,5 3,4,5 3,4,5
CN7 CN8 CN9 CN10 CN24	2H	*	E40-4814-05 E40-4815-05 E40-9812-05 E40-4858-05 E40-4632-05	SOCKET FOR PIN ASSY PIN ASSY PIN ASSY SOCKET FOR PIN ASSY PIN ASSY		
J1 J3,4 J3,4 J6 J8	1H 2G 2G 2G 2H	*	E63-0168-05 E11-0220-05 E11-0283-05 E11-0280-05 E70-0048-05	PHONO JACK MINIATURE PHONE JACK MINIATURE PHONE JACK PHONE JACK LOCK TERMINAL BOARD3,4,31,51	YMICXT	
J8 J8 J8 J8 J8	2H 2H 2H 2H 2H		E70-0048-05 E70-0056-05 E70-0056-05 E70-0057-05 E70-0057-05	LOCK TERMINAL BOARD3,4 LOCK TERMINAL BOARD3,4,31,51 LOCK TERMINAL BOARD3,4 LOCK TERMINAL BOARD5 LOCK TERMINAL BOARD3,4	E YMICXT E KP	
J301 J301 J301 J301 J301	1H 1H 1H 1H 1H		E20-0321-05 E20-0476-05 E20-0476-05 E70-0051-05 E70-0051-05	LOCK TERMINAL BOARD(2P,F) LOCK TERMINAL BOARD(4P) LOCK TERMINAL BOARD(4P) LOCK TERMINAL BOARD LOCK TERMINAL BOARD	TE KPYMIC X KPYMIC X	
J301	1H		E70-0052-05	LOCK TERMINAL BOARD	TE	
F1,2 F1,2 F1,2 F1,2 F3			F04-5022-05 F05-4025-05 F05-4025-05 F05-6029-05 F05-2525-05	FUSE (UL) (125V 5A UL) FUSE (SEMKO) (250V T4A L) FUSE (SEMKO) (250V T4A L) FUSE (UL) (125V 6A) FUSE (SEMKO) (250V T2.5AL)	KP YMICXT E KP YMICXT	3 4,5
F3 F3 F4 F4 F5			F05-2525-05 F05-4028-05 F04-5022-05 F06-3027-05 F06-2021-05	FUSE (SEMKO) (250V T2.5AL) FUSE (UL) (125V 4A) FUSE (UL) (125V 5A UL) FUSE (UL) (250V 3A) FUSE (SEMKO) (250V T2AL)	E KP KP KP YMI	4,5 3
F6 F7 J302 J302 J302		*	F50-0062-05 F06-2021-05 F10-0945-04 F10-0945-04 F10-0997-04	FUSE(5X20) FUSE (SEMKO) (250V T2AL) SHIELDING PLATE SHIELDING PLATE SHIELDING PLATE	KP YMI KPYMIC X TE	
CN12-17		*	J13-0075-05	FUSE CLIP		



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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
636	3G	*	G01-3841-14	TORSION COIL SPRING		
-		*	H10-7155-22	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7156-22	POLYSTYRENE FOAMED FIXTURE		
-		*	H13-0086-04	CARTON BOARD	KPYMIC	
-		*	H25-0632-24	PROTECTION BAG	XE	
-		*	H25-0632-24	PROTECTION BAG		
-		*	H25-0644-04	PROTECTION BAG	T	
-		*	H25-1509-04	PROTECTION BAG	MIC	
-		*	H25-1536-04	PROTECTION BAG	KPYXTE	
-		*	H50-1828-04	ITEM CARTON CASE	KPYX	
-		*	H50-1829-04	ITEM CARTON CASE	MC	
-		*	H50-1831-04	ITEM CARTON CASE	TE	
-		*	H50-1832-04	ITEM CARTON CASE	I	
640	3J	*	J02-0366-15	FOOT	KP	
641	1G	*	J02-1155-04	FOOT	YMI	
642	1J	*	J19-2808-05	HOLDER	X	
649	1J	*	J42-0083-05	POWER CORD BUSHING	TE	
-		*	J61-0307-05	WIRE BAND	C	
653	3G,3H	*	K29-6016-14	KNOB (EJECT)	KPYMIC	
654	2G	*	K29-6269-04	KNOB (CD-O/C)	X	
655	2H	*	K29-6270-12	KNOB (SELECTOR)	TE	
656	2G	*	K29-6271-24	KNOB (DISC-SEL)	C	
657	2H	*	K29-6272-02	KNOB (POWER)		
658	3G	*	K29-6294-14	KNOB (VOL)		
659	3G	*	K29-6295-14	KNOB (MIC/MIX)		
662	2J	*	L07-2033-05	POWER TRANSFORMER	KP	
662	2J	*	L07-2034-05	POWER TRANSFORMER	YMI	
662	2J	*	L07-2035-05	POWER TRANSFORMER	X	
662	2J	*	L07-2036-05	POWER TRANSFORMER	TE	
662	2J	*	L07-2134-05	POWER TRANSFORMER	C	
665	1G	*	T90-0801-05	LEAD WIRE ANTENNA	KPYMIC	
665	1G	*	T90-0801-05	LEAD WIRE ANTENNA	X	
665	1G	*	T90-0809-05	LEAD WIRE ANTENNA	TE	
666	1G	*	T90-0820-05	LOOP ANTENNA		

**RXD-G31/G51**

601	1H	*	A01-3281-11	METALLIC CABINET		
603	2G	*	A21-1886-12	DRESSING PANEL (G31)		
603	2G	*	A21-1887-12	DRESSING PANEL (G51)		
604	2G	*	A29-0808-12	PANEL (TRAY)		
605	3G	*	A53-1912-12	CASSETTE HOLDER(A MECHA)		
606	3G	*	A53-1913-12	CASSETTE HOLDER(B MECHA)		
607	2H	*	A60-0819-11	PANEL (G31)		
607	2H	*	A60-0822-11	PANEL (G51)		
608	1G	*	A70-1053-05	REMOTE CONTROLLER ASSY (G31)		
608	1G	*	A70-1063-05	REMOTE CONTROLLER ASSY (G51)		
609	1G	*	A09-0345-08	BATTERY COVER		
614	2G	*	B10-2236-12	FRONT GLASS (G31)		
614	2G	*	B10-2237-12	FRONT GLASS (G51)		
615	3G	*	B10-2178-23	FRONT GLASS (LID-A)(G31)		
615	3G	*	B10-2187-23	FRONT GLASS (LID-A)(G51)		
616	3G	*	B10-2179-13	FRONT GLASS (LID-B)(G31)		
616	3G	*	B10-2188-13	FRONT GLASS (LID-B)(G51)		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
-		*	B46-0326-03	WARRANTY CARD	C	
-		*	B58-0966-13	CAUTION CARD		
-		*	B60-2715-00	INSTRUCTION MANUAL(ENGLISH)G31	M	
-		*	B60-2716-00	INSTRUCTION MANUAL(SPANISH)G31		
-		*	B60-2717-00	INSTRUCTION MANUAL(CHINESE)G31		
-		*	B60-2718-00	INSTRUCTION MANUAL(TAIWAN) G31	M	
-		*	B60-2719-00	INSTRUCTION MANUAL(ENGLISH)G51		
-		*	B60-2720-00	INSTRUCTION MANUAL(SPANISH)G51	M	
-		*	B60-2721-00	INSTRUCTION MANUAL(CHINESE)G51		
-		*	B60-2722-00	INSTRUCTION MANUAL(TAIWAN) G51	M	
620	3H	*	D10-3607-04	LEVER		
621	3H	*	D39-0316-05	DAMPER		
626	1G	*	E03-0115-05	AC PLUG ADAPTER	MI	
627	1J	*	E30-2592-15	AC POWER CORD	MI	
627	1J	*	E30-2830-05	AC POWER CORD	C	
628	2H	*	E35-1297-05	FLAT CABLE		
635	3G	*	G01-3840-14	TORSION COIL SPRING(A MECHA)		
636	3G	*	G01-3841-14	TORSION COIL SPRING(B MECHA)		
-		*	H10-7155-22	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7156-22	POLYSTYRENE FOAMED FIXTURE		
-		*	H13-0086-04	CARTON BOARD		
-		*	H25-0632-24	PROTECTION BAG		
-		*	H25-1509-04	PROTECTION BAG		
-		*	H50-1948-04	ITEM CARTON CASE(G31)	MC	
-		*	H50-1949-04	ITEM CARTON CASE(G31)	I	
-		*	H50-1950-04	ITEM CARTON CASE(G51)	MC	
-		*	H50-1951-04	ITEM CARTON CASE(G51)		
642	1J	*	J19-2808-05	HOLDER		
649	1J	*	J42-0083-05	POWER CORD BUSHING		
-		*	J61-0307-05	WIRE BAND		
653	3G,3H	*	K29-6016-14	KNOB (EJECT)		
654	2G	*	K29-6269-04	KNOB (CD-O/C)		
655	2H	*	K29-6270-12	KNOB (SELECTOR)		
656	2G	*	K29-6268-14	KNOB (DISC-SEL)(G31)		
656	2G	*	K29-6271-24	KNOB (DISC-SEL)(G51)		
657	2H	*	K29-6267-02	KNOB (POWER)		
658	3G	*	K29-6294-14	KNOB (VOL)		
659	3G	*	K29-6295-14	KNOB (MIC/MIX)		
662	2J	*	L07-2025-05	POWER TRANSFORMER(G31) MI		
662	2J	*	L07-2030-05	POWER TRANSFORMER(G51) MI		
662	2J	*	L07-2132-05	POWER TRANSFORMER(G31) C		
662	2J	*	L07-2133-05	POWER TRANSFORMER(G51) C		
665	1G	*	T90-0801-05	LEAD WIRE ANTENNA		
666	1G	*	T90-0820-05	LOOP ANTENNA		

**RDS UNIT (X04-1302-70)**

C1		CK45FF1H103Z	CERAMIC	0.010UF	Z	TE
C2		CE04LW1H2R2M	ELECTRO	2.2UF	50WV	TE
C3		CC45FSL1H331J	CERAMIC	330PF	J	TE
C4		CK45FB1H561K	CERAMIC	560PF	K	TE
C5		CC45FCH1H470J	CERAMIC	47PF	J	TE
C6		CC45FCH1H220J	CERAMIC	22PF	J	TE
C7,8		CK45FF1H103Z	CERAMIC	0.010UF	Z	TE

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C9			CE04LW1C470M	ELECTRO 47UF 16WV	TE	
C10			CK45FF1H103Z	CERAMIC 0.010UF Z	TE	
CN1	2I		E40-4797-05	SOCKET FOR PIN ASSY	TE	
L1			L40-1091-17	SMALL FIXED INDUCTOR(10UH)	TE	
L2			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)	TE	
X1			L77-2002-05	CRYSTAL RESONATOR(4.332MHZ)	TE	
X2			L78-0244-05	RESONATOR (4.000M)	TE	
D1			HSS104	DIODE	TE	
D1			1SS133	DIODE	TE	
IC1			SAA6579	ANALOGUE IC	TE	
IC2			LC6543H-4D68	MI-COM IC	TE	
<b>SURROUND UNIT (X08-270X-XX) : RXD-G5 ONLY</b>						
C1,2			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C3,4			CE04LW1H100M	ELECTRO 10UF 50WV		
C5			CF92FV1H394J	MF-C 0.39UF J		
C7			CK45FF1H103Z	CERAMIC 0.010UF Z		
C8			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C9,10			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C13,14			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C15,16			CC45FSL1H470J	CERAMIC 47PF J		
C19,20			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C21,22			CK45FB1H102K	CERAMIC 1000PF K		
C23,24			CE04LW1V220M	ELECTRO 22UF 35WV		
C25,26			CK45FB1H222K	CERAMIC 2200PF K		
C27			CQ92FM1H104J	MYLAR 0.10UF J	YMICXT	
C27			CQ92FM1H104J	MYLAR 0.10UF J	E	
C28			CE04LW1E471M	ELECTRO 470UF 25WV		
C31,32			CQ92FM1H104J	MYLAR 0.10UF J		
C35,36			CQ92FM1H472J	MYLAR 4700PF J	KP	
C35,36			CQ92FM1H822J	MYLAR 8200PF J	YMICXT	
C35,36			CQ92FM1H822J	MYLAR 8200PF J	E	
C37			CQ92FM1H104J	MYLAR 0.10UF J		
C38			CE04LW1C221M	ELECTRO 220UF 16WV		
C39			CQ92FM1H333J	MYLAR 0.033UF J		
C40			CQ92FM1H152J	MYLAR 1500PF J		
C41			CQ92FM1H333J	MYLAR 0.033UF J		
C42			CE04LW1C221M	ELECTRO 220UF 16WV		
C43			CK45FF1H103Z	CERAMIC 0.010UF Z		
C44			CE04LW1H100M	ELECTRO 10UF 50WV		
C45			CQ92FM1H103J	MYLAR 0.010UF J		
C46-48			CC45FSL1H101J	CERAMIC 100PF J		
C49			CQ92FM1H681J	MYLAR 680PF J		
C50			CF92FV1H474J	MF-C 0.47UF J		
C51			CE04LW1C470M	ELECTRO 47UF 16WV		
C52,53			CQ92FM1H104J	MYLAR 0.10UF J		
C54			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C55			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C56			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C57			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C58			CF92FV1H154J	MF-C 0.15UF J		
C59			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C60,61			CF92FV1H154J	MF-C 0.15UF J		
C62			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		

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C63			CF92FV1H154J	MF-C 0.15UF J		
C64			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C65			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C66			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C67			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C68 ,69			CQ92FM1H104J	MYLAR 0.10UF J		
C70			CE04LW1C221M	ELECTRO 220UF 16WV		
C71 -74			CE04LW1H100M	ELECTRO 10UF 50WV		
C75			CE04LW1C221M	ELECTRO 220UF 16WV		
C76			CQ92FM1H473J	MYLAR 0.047UF J		
C77			CQ92FM1H223J	MYLAR 0.022UF J		
C78			CE04KW1E472M	ELECTRO 4700UF 25WV		
C79			CE04LW1E332M	ELECTRO 3300UF 25WV		
C80			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C81			CE04LW1H100M	ELECTRO 10UF 50WV		
C82			CQ92FM1H104J	MYLAR 0.10UF J		
C83			CE04LW1C101M	ELECTRO 100UF 16WV		
C84			CK45FF1H103Z	CERAMIC 0.010UF Z		
C85 ,86			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C94 ,95			CC45FSL1H101J	CERAMIC 100PF J		
C96			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C97 -100			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C101			CE04LW1C470M	ELECTRO 47UF 16WV		
C102			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C103,104			CK45FF1H103Z	CERAMIC 0.010UF Z		
C105,106			CE04LW1C470M	ELECTRO 47UF 16WV		
C107			CK45FF1H103Z	CERAMIC 0.010UF Z		
J1	2I	*	E70-0067-05	LOCK TERMINAL BOARD		
F8,9			F05-4025-05	FUSE (SEMKO) (250V T4A L)	YMICXT	
F8,9			F05-4025-05	FUSE (SEMKO) (250V T4A L)	E	
F8,9			F05-4028-05	FUSE (UL) (125V 4A)	KP	
CN1 -4			J13-0075-05	FUSE CLIP		
X1			L78-0290-05	RESONATOR (8MHZ)		
R8			RD14NB2E2R2J	RD 2.2 J 1/4W		
R33 ,34			RS14KB3A4R7J	FL-PROOF RS 4.7 J 1W		
R46			RS14KB3D181J	FL-PROOF RS 180 J 2W		
R55			RS14KB3A152J	FL-PROOF RS 1.5K J 1W		
K1		*	S76-0043-05	MAGNETIC RELAY		
D1			MTZJ10(B)	ZENER DIODE		
D1			UZ-10BSB	ZENER DIODE		
D3,4			HSS104A	DIODE		
D3,4			1SS131	DIODE		
D5			D3SBA20F03	DIODE		
D5			RBV-402LFA	DIODE		
D6			MTZJ3.9(B)	ZENER DIODE		
D6			UZ-3.9BSB	ZENER DIODE		
D7			MTZJ6.2(B)	ZENER DIODE		
D7			UZ-6.2BSB	ZENER DIODE		
D8			HSS104A	DIODE		
D8			1SS131	DIODE		
IC1		*	LA2785L	ANALOGUE IC		

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D21 ,22 D21 ,22 D21 ,22 D21 ,22 D21 ,22			MTZJ8.2(B) UZ-10BSB UZ-11BSB UZ-13BSB UZ-4.7BSB	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	XTE KP YMIC XTEMIC YMIC	5 4,5 4 4,51 5
D21 ,22 D23 ,24 D23 ,24 D25 D25			UZ-8.2BSB HSS104A 1SS131 MTZJ5.6(B) UZ-5.6BSB	ZENER DIODE DIODE DIODE ZENER DIODE ZENER DIODE	XTE	5
D26 D27 D27 D28 D28			KBP02ML-6127 MTZJ13(B) UZ-13BSB HSS104A 1SS131	DIODE ZENER DIODE ZENER DIODE DIODE DIODE		5 5
D29 -32 D29 -32 D33 ,34 D33 ,34 D35 ,36			HSS104A 1SS131 S5688B 1SR139-100 HSS104A	DIODE DIODE DIODE DIODE DIODE		
D35 ,36 D37 -40 D37 -40 D41 ,42 D41 ,42			1SS131 S5688B 1SR139-100 MTZJ16(B) UZ-16BSB	DIODE DIODE DIODE ZENER DIODE ZENER DIODE		
D43 D43 D44 D44 D45			HSS104A 1SS131 D3SBA20F03 RBV-402LFA S5688B	DIODE DIODE DIODE DIODE DIODE		
D45 D46 D46 D47 D47			1SR139-100 MTZJ5.6(B) UZ-5.6BSB MTZJ3.9(B) UZ-3.9BSB	DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D48 D48 D49 D49 D50			HSS104A 1SS131 MTZJ5.1(B) UZ-5.1BSB S5688B	DIODE DIODE ZENER DIODE ZENER DIODE DIODE		
D50 D301 D301 D302 D302			1SR139-100 MTZJ6.8(B) UZ-6.8BSB HSS104 1SS133	DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D306 D306 D308 D308 D309			HSS104 1SS133 MTZJ5.1(B) UZ-5.1BSB HSS104	DIODE DIODE ZENER DIODE ZENER DIODE DIODE	TE	4,5
D309 D310 D311 ,312 D311 ,312 D314		*	1SS133 1SS268 HSS104 1SS133 HSS104	DIODE DIODE DIODE DIODE DIODE	TE TE TE	4,5 4,5

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D314 D315 D315 IC1 IC2		*	1SS133 MTZJ3.3(B) UZ-3.3BSB NJU7313AM NJM4565MD	DIODE ZENER DIODE ZENER DIODE ANALOGUE IC IC(OP AMP X2)	TE	4,5
IC3 IC4 IC5 IC6 IC7		*	TDA7431 NJM4565MD BU4094BCF M65844P BU4066BCF	ANALOGUE IC IC(OP AMP X2) MOS-IC IC(DIGITAL ECHO) IC(ANALOG SWITCH X4)		31,51 31,51
IC8 IC50 IC301 IC302 IC303		*	TA78057S NJM4565MD BA1450S LC72131 NJM4565D	IC(VOLTAGE REGULATOR/+5.75V) IC(OP AMP X2) ANALOGUE IC MOS-IC IC(OP AMP X2)		4,5
IC305 Q1 ,2 Q3-6 Q3-6 Q7 ,8			M5223P 2SC2878(B) 2SC1845(F,E) 2SC2389S(S,E) 2SA992(F,E)	IC(OP AMP X2) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	TE	4,5
Q9 ,10 Q9 ,10 Q9 ,10 Q9 ,10 Q9 ,10			2SC1845(F,E) 2SC1845(F,E) 2SC1845(F,E) 2SC2389S(S,E) 2SC2389S(S,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	E YMICXT YMXT E	5,31,51 3,4 3,4 5,31,51 3
Q11 ,12 Q13 ,14 Q13 ,14 Q13 ,14 Q13 ,14			2SC4137F50(V,W) 2SD2389 2SD2493 2SD2493 2SD2493	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	KP YMICXT E	4,5 4,5 4,5 3,31,51
Q15 ,16 Q15 ,16 Q15 ,16 Q15 ,16 Q15 ,16 Q17 ,18			2SB1559 2SB1624 2SB1624 2SB1624 2SC2003(L,K)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	KP YMICXT E	4,5 4,5 4,5 3,31,51
Q50 ,51 Q50 ,51 Q52 Q52 Q53			DTC124EU UN5212 2SA1175(F,E) 2SA933S(Q,R) 2SC1740S(Q,R)	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q53 Q54 Q54 Q55 ,56 Q57			2SC2785(F,E) 2SA1175(F,E) 2SA933S(Q,R) 2SC2003(L,K) 2SA1175(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q57 Q58 Q59 Q59 Q59			2SA933S(Q,R) 2SA954(L,K) 2SD1893 2SD1893 2SD1894	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	YMICXT E KP	
Q60 ,61 Q60 ,61 Q62 Q63 ,64 Q63 ,64			2SC4081(R,S) 2SD1819A(Q,R) 2SC2003(L,K) 2SB1370 2SB1375	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		5

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Q65 Q66 Q301 Q302 Q302		*	2SC2003(L,K) 2SA1286 2SC2714(R,O) 2SA1576(R,S) 2SB1218A(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q304-306 Q304-306 Q307 Q307 Q308		*	2SC4081(R,S) 2SD1819A(Q,R) 2SA1576(R,S) 2SB1218A(Q,R) 2SC4081(R,S)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	TE	
Q308 Q309 Q309 Q310 Q310		*	2SD1819A(Q,R) 2SC4081(R,S) 2SD1819A(Q,R) 2SA1576(R,S) 2SB1218A(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	TE T T T T	
Q311 Q312 Q312 Q313 Q313		*	2SC2878(B) 2SC4081(R,S) 2SD1819A(Q,R) 2SA1576(R,S) 2SB1218A(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	T TE TE TE TE	4,5 4,5 4,5 4,5
Q314 Q314 Q315,316 Q315,316		*	2SC1740S(Q,R) 2SC2785(F,E) 2SC4081(R,S) 2SD1819A(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	T T YMIC YMIC	
A301 A301 A301		*	W02-2539-05 W02-2539-05 W02-2540-05	FM FRONT-END ASSY FM FRONT-END ASSY FM FRONT-END ASSY	KPYMIC X TE	
SUB CIRCUIT (X13-7360-00)						
C1,2 C3-8 C9 C10 C11			CE04LW1HR33M CE04LW1H100M CQ92FM1H472J CE04LW1HR47M CC45FSL1H050C	ELECTRO    0.33UF    50WV ELECTRO    10UF    50WV MYLAR    4700PF    J ELECTRO    0.47UF    50WV CERAMIC    5.0PF    C		
C13 C14 C15 ,16 C20			CE04LW1C101M CQ92FM1H104J CC45FSL1H101J CE04LW1C220M	ELECTRO    100UF    16WV MYLAR    0.10UF    J CERAMIC    100PF    J ELECTRO    22UF    16WV		
CN1			E40-4690-05	PIN ASSY		
D1 D1 IC1 IC2 IC3			MTZJ8.2(B) UZ-8.2BSB NJM4565D TDA7309 NJM4565D	ZENER DIODE ZENER DIODE IC(OP AMP X2) ANALOGUE IC IC(OP AMP X2)		
DISPLAY UNIT (X14-41XX-XX)						
D57 -61 D62 -65 D66 D67 -69			B30-2462-05 B30-2476-05 B30-2462-05 B30-2476-05	LED(GRN) LED(GRN & RED) LED(GRN) LED(GRN & RED)		4,5,31,51
C1 C2 C3 C4,5 C6			C90-3216-05 CK73FB1E104K CK73FB1H223K C90-3253-05 CK73FB1H103K	ELECTRO    330UF    6.3WV CHIP C    0.10UF    K CHIP C    0.022UF    K ELECTRO    1.0UF    50WV CHIP C    0.010UF    K		

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C7 C8 C9 C10 ,11 C12			C90-3253-05 CC73FCH1H220J CC73FCH1H180J CK73FB1H103K CE04LW1H100M	ELECTRO    1.0UF    50WV CHIP C    22PF    J CHIP C    18PF    J CHIP C    0.010UF    K ELECTRO    10UF    50WV		
C13 C14 -16 C17 -20 C21 C22			CC73FSL1H102J CC73FSL1H101J CK73FB1E104K C90-3258-05 CC73FSL1H102J	CHIP C    1000PF    J CHIP C    100PF    J CHIP C    0.10UF    K ELECTRO    10UF    50WV CHIP C    1000PF    J		
C23 C24 C25 ,26 C30 C30 C31			CC73FSL1H271J CK73FB1H103K CK73EF1E105Z CE04LW1A470M CK73FB1H103K	CHIP C    270PF    J CHIP C    0.010UF    K CHIP C    1.0UF    Z ELECTRO    47UF    10WV CHIP C    0.010UF    K		
CN1 CN2 CN3		*	E40-4857-05 E40-4789-05 E40-4902-05	PIN ASSY PIN ASSY FLAT CABLE CONNECTOR	TE	
X1 X2			L77-2111-05 L78-0605-05	CRYSTAL RESONATOR(32.768KHZ) RESONATOR    (8.38MHZ)		
CP1 CP2 R5 R6 R8			R90-0949-05 R90-0802-05 RK73FB2A102J RK73FB2A103J RK73FB2A104J	MULTIPLE RESISTOR MULTI-COMP    100KX10    J CHIP R    1.0K    J CHIP R    10K    J CHIP R    100K    J	1/4W 1/10W 1/10W 1/10W	
R9 R10 R11 R12 R13			RK73FB2A102J RK73FB2A103J RK73FB2A101J RK73FB2A474J RK73FB2A475K	CHIP R    1.0K    J CHIP R    10K    J CHIP R    100    J CHIP R    470K    J CHIP R    4.7M    K	1/10W 1/10W 1/10W 1/10W 1/10W	
R15 R16 R17 ,18 R22 -27 R32 ,33			RK73FB2A101J RK73FB2A472J RK73FB2A103J RK73FB2A103J RK73FB2A562J	CHIP R    100    J CHIP R    4.7K    J CHIP R    10K    J CHIP R    10K    J CHIP R    5.6K    J	1/10W 1/10W 1/10W 1/10W 1/10W	
R34 R37 ,38 R39 R41 R47 ,48			RK73FB2A473J RK73FB2A104J RK73FB2A473J RK73FB2A473J RK73FB2A103J	CHIP R    47K    J CHIP R    100K    J CHIP R    47K    J CHIP R    47K    J CHIP R    10K    J	1/10W 1/10W 1/10W 1/10W 1/10W	
R49 ,50 R52 R54 R56 R57			RK73FB2A473J RK73FB2A223J RK73FB2A223J RK73FB2A223J RK73FB2A103J	CHIP R    47K    J CHIP R    22K    J CHIP R    22K    J CHIP R    22K    J CHIP R    10K    J	1/10W 1/10W 1/10W 1/10W 1/10W	
R58 R59 R60 R61 R62			RK73FB2A223J RK73FB2A103J RK73FB2A223J RK73FB2A103J RK73FB2A223J	CHIP R    22K    J CHIP R    10K    J CHIP R    22K    J CHIP R    10K    J CHIP R    22K    J	1/10W 1/10W 1/10W 1/10W 1/10W	
R63 R64 R65 R66			RK73FB2A103J RK73FB2A223J RK73FB2A103J RK73FB2A223J	CHIP R    10K    J CHIP R    22K    J CHIP R    10K    J CHIP R    22K    J	1/10W 1/10W 1/10W 1/10W	

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RXD-G3/G4/G5/G31/G51  
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CN18,19 CN20,21 CN22,23 CN25,26 J9,10			J13-0075-05 J13-0075-05 J13-0075-05 J13-0075-05 J11-0809-05	FUSE CLIP FUSE CLIP FUSE CLIP FUSE CLIP WIRE CLAMPER	KP YMI KP YMI	
J13			J11-0809-05	WIRE CLAMPER		
CF301,302 CF301,302 CF301,302 L1,2 L301			L72-0531-05 L72-0531-05 L72-0536-05 L39-0085-05 L40-1091-17	CERAMIC FILTER CERAMIC FILTER CERAMIC FILTER PHASE COMPENSATION COIL SMALL FIXED INDUCTOR(1UH)	KPYMIC X TE TE	
L302 L303 L304 L305 L306		*	L40-1001-17 L40-1091-17 L30-0921-05 L30-0911-05 L79-1227-05	SMALL FIXED INDUCTOR(10UH,K) SMALL FIXED INDUCTOR(1UH) FM IFT AM IFT LC FILTER	TE	
L307 L307 L307 X301		** * *	L39-1338-05 L39-1339-05 L39-1339-05 L77-1122-05	COMBINATION COIL COMBINATION COIL COMBINATION COIL CRYSTAL RESONATOR(7.2MHZ)	T KPYMIC XE	
R3,4 R3,4 R11 R12 R15,16			RK73FB2B124J RK73FB2B333J RK73FB2A224J RK73FB2B224J RK73FB2A224J	CHIP R 120K J 1/8W CHIP R 33K J 1/8W CHIP R 220K J 1/10W CHIP R 220K J 1/8W CHIP R 220K J 1/10W		4,5,51 3,31
R17,18 R19,20 R21,22 R27,28 R31,32			RK73FB2A222J RK73FB2A102J RK73FB2A224J RK73FB2A223J RK73FB2A103J	CHIP R 2.2K J 1/10W CHIP R 1.0K J 1/10W CHIP R 220K J 1/10W CHIP R 22K J 1/10W CHIP R 10K J 1/10W		
R35,36 R37,38 R41,42 R43,44 R45,46			RK73FB2A562J RK73FB2A272J RK73FB2A102J RK73FB2A183J RK73FB2A102J	CHIP R 5.6K J 1/10W CHIP R 2.7K J 1/10W CHIP R 1.0K J 1/10W CHIP R 18K J 1/10W CHIP R 1.0K J 1/10W		
R47,48 R77-80 R81-84 R91,92 R93-96			RK73FB2A103J RD14NB2E100J RS14KB3DR22J RD14NB2E4R7J RD14NB2E681J	CHIP R 10K J 1/10W RD 10 J 1/4W FL-PROOF RS 0.22 J 2W RD 4.7 J 1/4W RD 680 J 1/4W		
R102,103 R104 R105 R114 R115			RD14NB2E100J RK73FB2A102J RD14NB2E101J RK73EB2B102J RK73FB2A621J	RD 10 J 1/4W CHIP R 1.0K J 1/10W RD 100 J 1/4W CHIP R 1.0K J 1/8W CHIP R 620 J 1/10W		
R116 R117 R118 R121 R122			RK73FB2A473J RK73EB2B102J RK73FB2A621J RK73FB2A473J RK73FB2A751J	CHIP R 47K J 1/10W CHIP R 1.0K J 1/8W CHIP R 620 J 1/10W CHIP R 47K J 1/10W CHIP R 750 J 1/10W		
R123 R125 R127,128 R130,131			RK73FB2A473J RK73FB2A103J RD14NB2E102J RK73FB2A333J	CHIP R 47K J 1/10W CHIP R 10K J 1/10W RD 1.0K J 1/4W CHIP R 33K J 1/10W		

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R132 R133 R134 R135,136 R137			RK73FB2A101J RK73FB2A225J RK73FB2A563J RK73FB2A333J RK73FB2A563J	CHIP R 100 J 1/10W CHIP R 2.2M J 1/10W CHIP R 56K J 1/10W CHIP R 33K J 1/10W CHIP R 56K J 1/10W		31,51 31,51 31,51 31,51 31,51
R138 R140 R141 R142,143 R144-146			RK73FB2A333J RK73FB2A153J RD14NB2E121J RK73FB2A103J RK73FB2A224J	CHIP R 33K J 1/10W CHIP R 15K J 1/10W RD 120 J 1/4W CHIP R 10K J 1/10W CHIP R 220K J 1/10W		31,51 31,51 31,51 31,51 31,51
R148,149 R153 R171,172 R173 R178			RK73FB2A101J RD14NB2E101J RS14KB3D102J RS14KB3A152J RS14KB3D221J	CHIP R 100 J 1/10W RD 100 J 1/4W FL-PROOF RS 1.0K J 2W FL-PROOF RS 1.5K J 1W FL-PROOF RS 220 J 2W		5
R181 R184 R187,188 R189,190 R195,196		Δ	RS14KB3D221J R92-1769-05 RD14NB2E4R7J RS14KB3D102J RK73FB2A101J	FL-PROOF RS 220 J 2W CARBON 3.3M J 1/2W RD 4.7 J 1/4W FL-PROOF RS 1.0K J 2W CHIP R 100 J 1/10W	KP TE	3,4,31,51
R195,196 R197 R198 R199,200 R199,200			RK73FB2A822J RK73FB2A101J RD14NB2E2R2J RK73FB2A103J RK73FB2A224J	CHIP R 8.2K J 1/10W CHIP R 100 J 1/10W RD 2.2 J 1/4W CHIP R 10K J 1/10W CHIP R 220K J 1/10W	KP	5 3,4,31,51
R302 R303 R304 R305 R306			RK73FB2A681J RK73FB2A331J RK73FB2A100J RK73FB2A331J RK73FB2A332J	CHIP R 680 J 1/10W CHIP R 330 J 1/10W CHIP R 10 J 1/10W CHIP R 330 J 1/10W CHIP R 3.3K J 1/10W		
R307 R308 R311 R312 R314			RK73FB2A101J RK73FB2A331J RK73FB2A103J RK73FB2A392J RK73FB2A473J	CHIP R 100 J 1/10W CHIP R 330 J 1/10W CHIP R 10K J 1/10W CHIP R 3.9K J 1/10W CHIP R 47K J 1/10W		
R318 R319 R320 R322 R322			RK73FB2A562J RK73FB2A332J RK73FB2A222J RK73FB2A123J RK73FB2A123J	CHIP R 5.6K J 1/10W CHIP R 3.3K J 1/10W CHIP R 2.2K J 1/10W CHIP R 12K J 1/10W CHIP R 12K J 1/10W	TE TE TE KPYMIC X	
R322 R324 R325 R332-334 R337			RK73FB2A223J RD14NB2E121J RK73FB2A473J RK73FB2A102J RK73FB2A122J	CHIP R 22K J 1/10W RD 120 J 1/4W CHIP R 47K J 1/10W CHIP R 1.0K J 1/10W CHIP R 1.2K J 1/10W	TE TE TE TE	
R339,340 R341 R342 R342 R342			RK73FB2A102J RD14NB2E561J RK73FB2A102J RK73FB2A103J RK73FB2A103J	CHIP R 1.0K J 1/10W RD 560 J 1/4W CHIP R 1.0K J 1/10W CHIP R 10K J 1/10W CHIP R 10K J 1/10W	TE KPYMIC X	
R344 R345 R348 R349 R361			RK73FB2A222J RD14NB2E101J RK73FB2A152J RK73FB2A223J RK73FB2A104J	CHIP R 2.2K J 1/10W RD 100 J 1/4W CHIP R 1.5K J 1/10W CHIP R 22K J 1/10W CHIP R 100K J 1/10W	T TE T T TE	4,5

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R362 R363 R365 R366 R367			RK73FB2A473J RK73FB2A683J RK73FB2A102J RK73FB2A104J RK73FB2A102J	CHIP R 47K J 1/10W CHIP R 68K J 1/10W CHIP R 1.0K J 1/10W CHIP R 100K J 1/10W CHIP R 1.0K J 1/10W	TE TE TE TE TE	4,5 4,5 4,5 4,5 4,5
R372 R372 R372 R373,374 R375,376			RK73FB2A153J RK73FB2A332J RK73FB2A332J RK73FB2A561J RK73FB2A473J	CHIP R 15K J 1/10W CHIP R 3.3K J 1/10W CHIP R 3.3K J 1/10W CHIP R 560 J 1/10W CHIP R 47K J 1/10W	TE KPYMIC X YMIC YMIC	
R381,382 R383,384 R385,386 R387,388 R389,390			RD14NB2E101J RK73FB2A103J RK73FB2A822J RK73FB2A473J RK73FB2A332J	RD 100 J 1/4W CHIP R 10K J 1/10W CHIP R 8.2K J 1/10W CHIP R 47K J 1/10W CHIP R 3.3K J 1/10W		
R391 R392 R393 R395 R396			RK73FB2A473J RK73FB2A821J RK73FB2A102J RK73FB2A103J RK73FB2A473J	CHIP R 47K J 1/10W CHIP R 820 J 1/10W CHIP R 1.0K J 1/10W CHIP R 10K J 1/10W CHIP R 47K J 1/10W	T	
R402 R403 R405 R406 R407			RK73FB2A153J RK73FB2A105J RK73FB2A104J RK73FB2A103J RD14NB2E221J	CHIP R 15K J 1/10W CHIP R 1.0M J 1/10W CHIP R 100K J 1/10W CHIP R 10K J 1/10W RD 220 J 1/4W	T T T T	
R408 R409 R423 R424,425 R426			RD14NB2E820J RK73FB2A272J RK73FB2A103J RK73FB2A223J RK73FB2A104J	RD 82 J 1/4W CHIP R 2.7K J 1/10W CHIP R 10K J 1/10W CHIP R 22K J 1/10W CHIP R 100K J 1/10W	TE TE TE TE	4,5 4,5 4,5 4,5
R427 R428 R429 R430 R431			RK73FB2A181J RK73FB2A471J RK73FB2A681J RK73FB2A104J RK73FB2A621J	CHIP R 180 J 1/10W CHIP R 470 J 1/10W CHIP R 680 J 1/10W CHIP R 100K J 1/10W CHIP R 620 J 1/10W	TE TE TE TE TE	4,5 4,5 4,5 4,5 4,5
R432 R433 R501 R502 R503,504			RK73FB2A750J RK73FB2A122J RK73EB2B513J RK73FB2A513J RK73FB2A333J	CHIP R 75 J 1/10W CHIP R 1.2K J 1/10W CHIP R 51K J 1/8W CHIP R 51K J 1/10W CHIP R 33K J 1/10W	TE TE TE TE	4,5 4,5 4,5 4,5 4,5
VR1 W401-403 W401-403 W404 W405	2G		R31-0028-05 R92-0670-05 R92-0670-05 R92-0679-05 R92-0670-05	VARIABLE RESISTOR CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM	KPYMIC XE TE	4,5
W406 W406 W407 W408 W409			R92-0670-05 R92-0670-05 R92-0670-05 R92-0679-05 R92-0670-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM	KPYMIC XE KPYMIC	
W409 W410 W414 W500-507 W511,512			R92-0670-05 R92-0670-05 R92-0679-05 R92-0670-05 R92-0670-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM	X	3,4

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
W513-516 W518 W600-610 W611,612 W613			R92-0670-05 R92-0670-05 R92-0679-05 R92-0679-05 R92-0679-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM		5 4,5,51
W614 W615 W616 W617 W619-624			R92-0679-05 R92-0679-05 R92-0679-05 R92-0679-05 R92-0679-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM		4,5,51 4,5,51
W625 W626-628 W633			R92-0679-05 R92-0679-05 R92-0679-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM		
K1 K2 S1 S1 S2		*	S76-0042-05 S76-0043-05 S62-0055-05 S62-0055-05 S62-0001-05	MAGNETIC RELAY MAGNETIC RELAY SLIDE SWITCH SLIDE SWITCH SLIDE SWITCH	YMICXT E YMI	5 3,4,31 3,4,31
S301		*	S62-0056-05	SLIDE SWITCH	YMIC	
D3,4 D3,4 D7,8 D9 D9			HSS104A 1SS131 MA111 MTZJ4,7(B) UZ-4.7BSB	DIODE DIODE DIODE ZENER DIODE ZENER DIODE		
D10,11 D10,11 D12 D12 D13			HSS104A 1SS131 MTZJ6,2(B) UZ-6.2BSB MTZJ4,7(B)	DIODE DIODE ZENER DIODE ZENER DIODE ZENER DIODE		31,51 31,51
D13 D14 D14 D15-18 D15-18			UZ-4.7BSB S5688B 1SR139-100 HSS104A 1SS131	ZENER DIODE DIODE DIODE DIODE DIODE		
D19,20 D19,20 D19,20 D19,20 D19,20			MTZJ15(B) MTZJ15(B) MTZJ16(B) MTZJ18(B) MTZJ18(B)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	YMXTE IC YMICXT YMICXT E	3 31 51 4 4
D19,20 D19,20 D19,20 D19,20 D19,20			MTZJ24(B) MTZJ24(B) MTZJ30(B) UZ-15BSB UZ-15BSB	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	KP KP YMXTE IC	5 4 3 3 31
D19,20 D19,20 D19,20 D19,20 D19,20			UZ-16BSB UZ-18BSB UZ-18BSB UZ-24BS UZ-24BS	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	YMICXT YMICXT E KP	51 4 5 4
D19,20 D21,22 D21,22 D21,22 D21,22			UZ-30BS MTZJ10(B) MTZJ11(B) MTZJ13(B) MTZJ4,7(B)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	KP KP YMIC XTMIC YMIC	3 4,5 4 4,51 5

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
R67			RK73FB2A103J	CHIP R 10K J 1/10W	YMIC	
R68			RK73FB2A223J	CHIP R 22K J 1/10W		
R69			RK73FB2A103J	CHIP R 10K J 1/10W		
R70			RK73FB2A223J	CHIP R 22K J 1/10W		
R72			RK73FB2A103J	CHIP R 10K J 1/10W		
R73			RK73FB2A223J	CHIP R 22K J 1/10W	YMIC	
R74			RK73FB2A103J	CHIP R 10K J 1/10W		
R77,78			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R82,83			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R100,101			RK73FB2A101J	CHIP R 100 J 1/10W		
R103			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R104			RK73FB2A103J	CHIP R 10K J 1/10W		
R105			RK73FB2A104J	CHIP R 100K J 1/10W		
R106			RK73FB2A103J	CHIP R 10K J 1/10W		
R110			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R111			RK73FB2A473J	CHIP R 47K J 1/10W		
R112-115			RK73FB2A101J	CHIP R 100 J 1/10W		
R117-120			RK73FB2A101J	CHIP R 100 J 1/10W		
R122			RK73EB2B331J	CHIP R 330 J 1/8W		
R124			RK73EB2B331J	CHIP R 330 J 1/8W		
R129			RK73FB2A101J	CHIP R 100 J 1/10W	TE	4,5
R130-132			RD14BB2C101J	RD 100 J 1/6W		
R133			RK73FB2A101J	CHIP R 100 J 1/10W		
R150-153			RK73FB2A473J	CHIP R 47K J 1/10W		
R154-160			RK73FB2A104J	CHIP R 100K J 1/10W		
R200			RK73EB2B473J	CHIP R 47K J 1/8W		
W302,303			R92-0679-05	CHIP R 0 OHM		
W305			R92-0679-05	CHIP R 0 OHM		
W307			R92-0679-05	CHIP R 0 OHM		
W308-310			R92-0670-05	CHIP R 0 OHM		
W311			R92-0679-05	CHIP R 0 OHM		
W312-314			R92-0670-05	CHIP R 0 OHM		
W317,318			R92-0670-05	CHIP R 0 OHM		
W319			R92-0679-05	CHIP R 0 OHM		
W320			R92-0679-05	CHIP R 0 OHM		
W322-326			R92-0679-05	CHIP R 0 OHM		
W330			R92-0679-05	CHIP R 0 OHM		
W335			R92-0670-05	CHIP R 0 OHM		
W341			R92-0670-05	CHIP R 0 OHM		
W351			R92-0679-05	CHIP R 0 OHM		
W355			R92-0679-05	CHIP R 0 OHM		
S1-3			S70-0031-05	TACT SWITCH		
S4-6			S70-0031-05	TACT SWITCH		
S7-32			S70-0031-05	TACT SWITCH		
S33		*	T99-0570-05	ROTARY ENCODER		
D1-4			MA111	DIODE	TE XT	
D5-10			HSS104A	DIODE		
D5-10			1SS131	DIODE		
D12			MA111	DIODE		
D13			MA111	DIODE		
D14			MA111	DIODE	XYMICE	51 4,5
D15			MA111	DIODE		
D16			MA111	DIODE		

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
D17 D19 -22 D19 -22 D23 D24 -27			MA111 HSS104A 1SS131 MA111 HSS104A	DIODE DIODE DIODE DIODE DIODE	YMIC  <	

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C19, 20 C21, 22 C23, 24 C25, 26 C27, 28			CK45FB1H681K CE04LW1H100M CK45FB1H391K CE04LW1C470M CQ92FM1H223J	CERAMIC 680PF K ELECTRO 10UF 50WV CERAMIC 390PF K ELECTRO 47UF 16WV MYLAR 0.022UF J		
C29, 30 C31, 32 C33, 34 C35, 36 C37-40			CK45FB1H682K CE04LW1HR47M CQ92FM1H333J CK45FB1H222K CE04LW1H010M	CERAMIC 6800PF K ELECTRO 0.47UF 50WV MYLAR 0.033UF J CERAMIC 2200PF K ELECTRO 1.0UF 50WV		
C41, 42 C43, 44 C45, 46 C47, 48 C49, 50			CE04LW1H2R2M CE04LW1H0R1M CE04LW1H100M CE04LW1HR47M CE04LW1H010M	ELECTRO 2.2UF 50WV ELECTRO 0.1UF 50WV ELECTRO 10UF 50WV ELECTRO 0.47UF 50WV ELECTRO 1.0UF 50WV		
C51, 52 C53, 54 C55, 56 C57, 58 C59-62			CE04LW1A101M CE04LW1H2R2M C91-1436-05 C91-1434-05 CK45FF1H223Z	ELECTRO 100UF 10WV ELECTRO 2.2UF 50WV FILM 220PF J FILM 150PF J CERAMIC 0.022UF Z		4,5,51 4,5,51 4,5,51
C63, 64 C65, 66 C67, 68 C101 C102			CK45FB1H561K CK45FF1H103Z CE04LW1HR33M CE04LW1H010M CE04LW1C220M	CERAMIC 560PF K CERAMIC 0.010UF Z ELECTRO 0.33UF 50WV ELECTRO 1.0UF 50WV ELECTRO 22UF 16WV		4,5,51 4,5,51 4,5,51
C103 C104 C105 C106 C107			CE04LW1C101M CE04LW1H0R1M CQ92FM1H103J CK45FB2H471K CQ93HP2A103J	ELECTRO 100UF 16WV ELECTRO 0.1UF 50WV MYLAR 0.010UF J CERAMIC 470PF K MYLAR 0.010UF J		4,5,51
C107 C108 C109 C110 C111, 112			CQ93HP2A822J CC45FSL2H100D CE04LW1H100M CQ92FM1H103J CQ92FM1H332J	MYLAR 8200PF J CERAMIC 10PF D ELECTRO 10UF 50WV MYLAR 0.010UF J MYLAR 3300PF J		3,31 4,5,51 3,31
C111, 112 C113 C113 C114 C115			CQ92FM1H562J CE04LW1H2R2M CE04LW1V4R7M CK45FF1H103Z CE04LW1C220M	MYLAR 5600PF J ELECTRO 2.2UF 50WV ELECTRO 4.7UF 35WV CERAMIC 0.010UF Z ELECTRO 22UF 16WV		4,5,51 3,31 4,5,51
C116, 117 C118 C119			CE04LW1C101M CK45FF1H103Z CC45FSL1H271J	ELECTRO 100UF 16WV CERAMIC 0.010UF Z CERAMIC 270PF J		
CN1 CN2 CN3, 4 CN5 CN6			E40-3247-05 E40-3249-05 E40-4609-05 E40-4977-05 E40-4902-05	PIN ASSY (3P) PIN ASSY (5P) PIN ASSY (15P) PIN ASSY (5P) FLAT CABLE CONNECTOR		
CN7			E40-9813-05	SOCKET FOR PIN ASSY		
E1			J11-0808-05	WIRE CLAMPER		
L1-4 L5, 6 L7, 8			L40-1035-20 L79-1201-05 L32-0547-05	SMALL FIXED INDUCTOR, 10MH LC FILTER BIAS OSCILLATION COIL		4,5,51

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
L9 L9			L32-0542-05 L32-0570-05	BIAS OSCILLATION COIL BIAS OSCILLATION COIL		3,31 4,5,51
R120 R165 VR1, 2 VR3, 4 VR5, 6			RD14NB2E100J RD14NB2E100J R32-0031-05 R32-0030-05 R32-0041-05	RD 10 J 1/4W RD 10 J 1/4W TRIMMING POT TRIMMING POT TRIMMING POT		3,31
VR7 -9 VR9			R32-0036-05 R12-1619-05	TRIMMING POT TRIMMING POT		4,5,51 3,31
K1 K1			S51-2089-05 S76-0018-05	IC MAGNETIC RELAY		
D1, 2 D1, 2 D4-6 D4-6 D7			HSS104 1SS133 HSS104 1SS133 MTZJ2.7(B)	DIODE DIODE DIODE DIODE ZENER DIODE		
D7 IC1, 2 IC3 IC4 IC5			UZ-2.7BSB TA8126S HA12182F UPC1297CA BA10393	ZENER DIODE IC(2CH PRE AMP) IC(DOLBY B IC) IC(DOL HX PRO SYSTEM) IC(DUAL COMPARATOR)		4,5,51
IC6, 7 Q1, 2 Q1, 2 Q51 Q51			BU4094BC DTC124ES UN4212 DTC124ES UN4212	IC(8-STAGE/STORE REGISTER) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q52 Q52 Q54, 55 Q56, 57 Q56, 57			2SC1740S(Q, R) 2SC2785(F, E) 2SC1845(F, E) 2SC1740S(Q, R) 2SC2785(F, E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q58 Q59 Q59 Q60 Q61			2SC3940A(R, S) 2SC1740S(Q, R) 2SC2785(F, E) 2SA992(F, E) DTC124ES	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q61 Q63-65			UN4212 2SC3246	TRANSISTOR TRANSISTOR		
<b>CD PLAYER UNIT (X32-3120-10)</b>						
C1 C2 C3 C4 C5			CQ92FM1H103J CQ92FM1H472J CC45FSL1H470J CF92FV1H474J CE04LW1H100M	MYLAR 0.010UF J MYLAR 4700PF J CERAMIC 47PF J MF-C 0.47UF J ELECTRO 10UF 50WV		
C6 C7 C8 C9 C10			CQ92FM1H104J CE04HW1H2R2M CQ92FM1H104J CQ92FM1H333J CC45FSL1H101J	MYLAR 0.10UF J NP-ELEC 2.2UF 50WV MYLAR 0.10UF J MYLAR 0.033UF J CERAMIC 100PF J		
C11 C12 C13 C14			CQ92FM1H102J CC45FSL1H221J CQ92FM1H473J CE04LW1H100M	MYLAR 1000PF J CERAMIC 220PF J MYLAR 0.047UF J ELECTRO 10UF 50WV		

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C15 C16 -18 C19 C20 C21 ,22			CE04HW1E100M CQ92FM1H103J CQ92FM1H333J CE04LW0J331M CK45FF1H103Z	NP-ELEC 10UF 25WV MYLAR 0.010UF J MYLAR 0.033UF J ELECTRO 330UF 6.3WV CERAMIC 0.010UF Z		
C23 C24 ,25 C26 C27 C28			CF92FV1H224J CE04LW1A101M CC45FSL1H270J CQ92FM1H103J CQ92FM1H333J	MF-C 0.22UF J ELECTRO 100UF 10WV CERAMIC 27PF J MYLAR 0.010UF J MYLAR 0.033UF J		
C29 C30 C35 ,36 C37 C38			CQ92FM1H103J CQ92FM1H222J CE04HW1H010M CK45FF1H103Z CQ92FM1H332J	MYLAR 0.010UF J MYLAR 2200PF J NP-ELEC 1.0UF 50WV CERAMIC 0.010UF Z MYLAR 3300PF J		
C39 C40 C41 C42 C43			CK45FF1H103Z CQ92FM1H473J CQ92FM1H152J CQ92FM1H103J CE04LW1HR47M	CERAMIC 0.010UF Z MYLAR 0.047UF J MYLAR 1500PF J MYLAR 0.010UF J ELECTRO 0.47UF 50WV		
C44 C45 C46 C55 C56			CK45FF1H103Z CE04LW0J331M CK45FF1H103Z CE04LW0J331M CE04LW1A331M	CERAMIC 0.010UF Z ELECTRO 330UF 6.3WV CERAMIC 0.010UF Z ELECTRO 330UF 6.3WV ELECTRO 330UF 10WV		
C57 ,58 C59 -62 C63 ,64 C65 ,66 C67			CC45FSL1H221J CK45FB1H391K CQ92FM1H222J CE04LW1HR47M CE04LW1A101M	CERAMIC 220PF J CERAMIC 390PF K MYLAR 2200PF J ELECTRO 0.47UF 50WV ELECTRO 100UF 10WV		
C68 ,69 C70 C71 C72 C73			CE04LW1A471M CE04LW1HR47M CE04LW1A470M CE04LW1C470M CK45FF1H223Z	ELECTRO 470UF 10WV ELECTRO 0.47UF 50WV ELECTRO 47UF 10WV ELECTRO 47UF 16WV CERAMIC 0.022UF Z		
C74 ,75 C76 C77 C79 -81 C82			CE04LW1H100M CK45FB1H102K CC45FSL1H271J CK45FF1H223Z CK45FF1H103Z	ELECTRO 10UF 50WV CERAMIC 1000PF K CERAMIC 270PF J CERAMIC 0.022UF Z CERAMIC 0.010UF Z		
C83 C84			CC45FSL1H470J CK45FF1H103Z	CERAMIC 47PF J CERAMIC 0.010UF Z		
CN1 CN2 CN3 CN4 CN5			E40-4856-05 E40-4876-05 E40-4377-05 E40-4763-05 E40-3247-05	FLAT CABLE CONNECTOR PIN ASSY PIN ASSY PIN ASSY PIN ASSY		
CN6 CN7 CN8			E40-4762-05 E40-3256-05 E40-3259-05	PIN ASSY PIN ASSY PIN ASSY		
E1,2 E4,5			J11-0098-05 J11-0098-05	WIRE CLAMPER WIRE CLAMPER		
L1			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		

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X1 R97 VR1 VR2 VR3			L78-0299-05 RD14NB2E2R2J * R32-0037-05 * R32-0039-05 * R32-0040-05	RESONATOR (16.93M) RD 2.2 J 1/4W SEMI FIXED VARIABLE RESISTOR SEMI FIXED VARIABLE RESISTOR SEMI FIXED VARIABLE RESISTOR		
D1-6 D1-6 D7 D7 IC1			HSS104 1S5133 * MTZJ3.3(B) UZ-3.3BSB CXA1782BQ *1	DIODE DIODE ZENER DIODE ZENER DIODE ANALOGUE IC		
IC2 IC3 IC4 ,5 IC6 IC7			* CXD2508AQ *1 * LA6537 * TA8409S BU4094BC NJM2100D	MOS-IC ANALOGUE IC IC(MOTOR CONTROL) MOS-IC ANALOGUE IC		
IC8 IC9 Q1 Q1 Q2			M5237L TC74HC166AP 2SC1740S(Q,R) 2SC2785(F,E) 2SA954(L,K)	ANALOGUE IC IC(8BIT SHIFT REGISTER) TRANSISTOR TRANSISTOR TRANSISTOR		
Q3 Q3 Q4 Q5 Q5			DTA124ES UN4112 2SA954(L,K) 2SC1740S(Q,R) 2SC2785(F,E)	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q6 Q7 Q7 Q8 Q8			2SA1286 DTC124ES UN4212 2SB1375 2SB1665(E,F)	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q9,10 Q9,10 Q11 ,12 Q13 Q13			2SA1176(F,E) 2SA933S(Q,R) 2SC2878(B) DTC124ES UN4212	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		
<b>CD MECHANISM (D40-1455-05)</b>						
101 102	3B 3A		A10-3119-08 A15-0089-08	CHASSIS (MAIN) FRAME (MD-B)		
105 107 108 109 110	2A 2B 2A 2B 2A		D10-3533-08 D10-3459-08 D10-3638-08 D10-3496-08 D10-3606-08	SLIDER (LIFT) LEVER (LOCK) LEVER (BRAKE) FRICTION ARM ASSY FEED SHAFT		
113 114 115 117 118	1A 2B 2B 3A 1A		D13-1599-08 D13-1600-08 D13-1601-08 D13-1603-08 D13-1604-08	GEAR (IDLER) GEAR (LOAD) GEAR (CENTER) CAM GEAR(UP/DOWN) GEAR (HELICAL)		
119 120 122 123 125	2A 2B,3B 2B 2B 2B		D13-1720-08 D14-0361-08 D15-0366-08 D16-0363-08 D21-1762-08	GEAR ROLLER (TRAY) PULLEY (LOAD) DRIVE BELT SHAFT (PULLEY)		

L : Scandinavia K : USA P : Canada 3 : RXD-G3 4 : RXD-G4  
Y : PX(Far East, Hawaii) T : Europe E : Europe 5 : RXD-G5 31 : RXD-G31  
Y : AAFES(Europe) X : Australia M : Other Areas 51 : RXD-G51  
C : China I : Malaysia


⚠ indicates safety critical components.

# RXD-G3/G4/G5/G31/G51 PARTS LIST

\* New Parts  
Parts without **Parts No.** are not supplied.  
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.  
Teile ohne **Parts No.** werden nicht geliefert.

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
132	1I		E35-0811-08	3P WIRE		
133	1I		E35-1184-08	6P WIRE		
134	1I		E35-1185-08	6P FLAT WIRE		
135	1I		E35-1186-08	6P WIRE (TU-D)		
136	1I		E35-1187-08	16P FFC		
137	3A		E40-3264-05	CONNECTOR		
140	1A		F07-0773-08	COVER (TRAY)		
141	2A		F07-0736-08	COVER		
142	1B	*	F07-0770-08	COVER		
145	3A		G01-3806-08	SPRING (MD-G)		
146	3A		G01-3807-08	SPRING (MD-H)		
148	3A		G01-3663-08	SPRING (CAM)		
149	2B		G01-3664-08	SPRING (LOCK)		
150	2A		G01-3665-08	SPRING (BRAKE)		
151	2A		G01-3768-08	SPRING (LEFT)		
152	1A,1B		G16-0821-04	SHEET (TRAY)		
153	3B		G16-0856-08	FILAMENT TAPE		
155	2A		J02-1133-08	INSULATOR		
156	2B	*	J11-0813-08	CLAMPER		
157	1B		J19-3758-08	BRACKET (CLAMP)		
158	2B		J19-3660-08	BRACKET (GEAR)		
159	2B,3B		J19-3661-08	BRACKET (TRAY)		
160	3A		J61-0081-05	SK BINDER SKB-100		
161	1A		J99-0541-08	TRAY (SLIDE)		
162	1A		J99-0542-08	TRAY (ROTARY)		
L			N09-2658-08	SCREW		
M			N09-3053-08	SCREW		
N			N09-3107-08	SCREW		
P			N09-3140-08	SCREW		
Q			N09-3141-08	SCREW		
165	2B		S33-2061-05	LEVER SWITCH	JPS1220-0201	
166	1A,2A		S64-0015-08	LEVER SWITCH		
167	3A		S74-0038-08	LEAF SWITCH		
171	1B		T99-0544-05	MAGNET		
DM	3A		A11-1082-08	TT CHASSIS ASSY		
FM	3A		T42-0817-08	MOTOR GEAR (FEED)		
LM	3B		T42-0682-08	MOTOR PULLEY ASSY		
PU	3A		T25-0041-05	PICKUP (KSS-213B/S-N)		
RTM	2B		T42-0683-08	MOTOR WORM ASSY		
<b>CASSETTE DECK MECHANISM (D40-1453-05 : RXD-G3/G31 D40-1458-05 : RXD-G4/G5/G51)</b>						
401	2C,3D		A10-3174-08	HEAD CHASSIS		
403	1D,3E		A10-3240-08	CHASSIS OUTSERT ASSY		
404	1D,2E		D01-0184-08	FLYWHEEL (LW) ASSY		
405	1E		D01-0185-08	FLYWHEEL (A) ASSY		
406	2F		D01-0186-08	FLYWHEEL (B) ASSY		
407	1C		D10-3468-18	INTER LOCK ARM (L)(A DECK)		
408	3F		D10-3469-18	INTER LOCK ARM (R)(B DECK)		
409	2D,3F		D10-3470-08	TRIGGER ARM		
410	2D,3F		D10-3471-18	HEAD CHANGE ARM		
412	1C		D10-3476-18	EJECT LEVER (L) (A DECK)		
413	3E		D10-3477-18	EJECT LEVER (R) (B DECK)		
414	2C,3D		D10-3478-08	SELET LEVER		
415	1D,2E		D10-3479-08	SHIFT LEVER		

L : Scandinavia K : USA P : Canada 3 : RXD-G3 4 : RXD-G4  
Y : PX(Far East, Hawaii) T : Europe E : Europe 5 : RXD-G5 31 : RXD-G31  
Y : AAFES(Europe) X : Australia M : Other Areas 51 : RXD-G51  
C : China I : Malaysia  indicates safety critical components.


# RXD-G3/G4/G5/G31/G51

## PARTS LIST

28

\* New Parts  
Parts without **Parts No.** are not supplied.  
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Teile ohne **Parts No.** werden nicht geliefert.

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
416	2C,3D		D10-3480-08	C/R LEVER		
420	3C		D13-0981-08	ROTATION GEAR		
421	1C,2D		D13-1616-08	REW GEAR		
422	2C,2D		D13-1617-08	REEL GEAR		
423	1D,2F		D13-1618-08	IDLER GEAR		
424	3C,3D		D13-1621-08	RETURN GEAR		
425	1D,2E		D13-1622-18	CAM GEAR		
426	2D,3E		D14-0367-08	PINCH ARM (R) ASSY		
427	2C,3D		D14-0368-08	PINCH ARM (L) ASSY		
428	1D,2F		D15-0369-08	IDLER PULLEY		
429	2F		D16-0393-08	DRIVE BELT (BW)		
430	1E		D16-0392-08	DRIVE BELT (AW)		
431	1E		D15-0387-08	PULLEY (A)		
432	1E,2F		D16-0391-08	CLUTCH BELT		
433	2C,3D		D19-0270-18	REEL CAP (A)		
434	1C,1E		D19-0287-18	CLUTCH ARM ASSY		
439	1E,1F		E35-0396-08	15P FLAT RIBBON WIRE		
440	3C		E35-1242-08	3P HEAD WIRE ASSY (A DECK)		
441	3C		E35-1243-08	5P HEAD WIRE ASSY (B DECK)		
442	1F		E35-0986-08	MOTOR WIRE		
443	3C		G01-3790-08	EARTH SPRING (B)		
444	2D,3F		G01-3712-18	HEAD CHANGE ARM SP		
445	2C,3D		G01-3709-08	B.T SPRING		
446	1C,2D		G01-3710-08	SHIFT LEVER SP		
447	2D,3F		G01-3711-18	TRIGGER ARM SP		
448	2E,3D		G01-3720-08	HEAD RETURN PLAY SP		
449	1C,3F		G01-3713-08	EJECT SP		
450	2C,3D		G01-3714-08	C/R LEVER SP		
451	2C,3D		G01-3715-08	SELECT LEVER SP		
452	2C,3D		G01-3716-08	SHIFT SP		
453	1C		G01-3717-08	INTER LOCK SP (L)		
454	3C,3D		G01-3718-08	RETURN SP		
455	3C,3D		G01-3719-08	FWD SP		
456	2D,3F		G01-3723-08	INTER LOCK SP (R)		
457	2C,3D		G01-3739-08	HEAD CHASSIS SP		
458	2D,3E		G01-3721-08	BRAKE SP (R)		
459	1C,2E		G01-3722-08	BRAKE SP (L)		
460	1C,2E		G01-3724-08	CLUTCH ARM SPRING (B)		
461	1D,2E		G01-3725-08	CLUTCH SP		
462	1C,2D		G02-0913-08	PACK SPRING		
463	3C		G02-1068-08	AZIMUTH SP (B)		
464	2C,3D		G02-1071-08	LIFT BKT		
465	3C		G11-2100-08	HEAD WIRE CLAMP		
466	1D,2F		G11-2205-08	TUBE		
467	2D,3E		G16-0791-08	REFLECT SEAL		
469	3C		J21-6184-08	HEAD PLATE ASSY		
470	1E,2F		J19-3652-08	CABLE HOLDER		
471	2C,3D		J21-6135-08	HEAD RETURN PLATE		
472	1D		J21-6307-08	BKT (B) ASSY		
473	2D		J21-6308-08	MECHA BKT		
474	2C,3D		J42-0183-08	REEL BUSH		
475	2D,3E		J69-0086-08	FILAMENT TAPE		
476	3C,3D		J39-0188-08	HEAD BASE		
477	2C,3D		J90-0832-08	SHIFT SPRING GUIDE		

L : Scandinavia K : USA P : Canada 3 : RXD-G3 4 : RXD-G4  
Y : PX(Far East, Hawaii) T : Europe E : Europe 5 : RXD-G5 31 : RXD-G31  
Y : AAFES(Europe) X : Australia M : Other Areas 51 : RXD-G51  
C : China I : Malaysia  indicates safety critical components.

\* New Parts  
 Parts without **Parts No.** are not supplied.  
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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
AA			N19-1316-08	POLY WASHER		
AB			N19-1354-08	POLY WASHER		
AC			N19-1288-08	POLY WASHER		
AD			N19-1355-08	NYLON WASHER		
AE			N19-1385-08	POLY WASHER		
AF			N19-1386-08	POLY WASHER		
AG			N19-1387-08	TEFLON WASHER		
AH			N19-1388-08	POLY WASHER		
AK			N19-1035-08	POLY WASHER		
AL			N19-1396-08	POLY WASHER		
AM			N19-1384-08	POLY WASHER		
S			N09-1497-08	TAP TITE SCREW		
T			N09-2871-08	TAPPING SCREW		
U			N09-2876-08	HEAD SCREW (RVS)		
V			N09-3135-08	BIND TAP TITE SCREW		
W			N09-3195-08	TAP TITE SCREW		
Y			N09-2901-08	BIND TAP TITE SCREW		
Z			N09-3112-08	AZIMUTH SCREW		
480	1E,2F		S74-0033-08	REC SWITCH		
481	1E,2F		S74-0042-08	PLAY SWITCH		
484	1E,2F		T94-0233-08	SOLENOID ASSY		
485	1E,2F		T95-0125-08	PHOTO INTERRUPTER		
MM	2F		T42-0813-08	MOTOR ASSY		
PH	2C		T31-0066-08	PLAYBACK HEAD MK10P-AB215		
RPEH	3C		T31-0020-08	R/P ERASE HEAD YK56R-AA405		

**L** : Scandinavia    **K** : USA    **P** : Canada    **3** : RXD-G3    **4** : RXD-G4  
**Y** : PX(Far East, Hawaii)    **T** : Europe    **E** : Europe    **5** : RXD-G5    **31** : RXD-G31  
**Y** : AAFES(Europe)    **X** : Australia    **M** : Other Areas    **51** : RXD-G51  
**C** : China    **I** : Malaysia     indicates safety critical components.

**PARTS LIST**

**RXD-G3/G4/G5/G31/G51**

# RXD-G3/G4/G5/G31/G51

## SPECIFICATIONS

### Main unit (RXD-G3)

#### [Amplifier section]

Rated power output

50 watts per channel minimum RMS, both channels driven,  
at 6  $\Omega$  from 40 Hz to 15 kHz with no more than 0.5 % total  
harmonic distortion. (FTC)

Input sensitivity / impedance

AUX..... 200 mV / 47 k $\Omega$

MIC ..... 2.1 mV / 2.2 k $\Omega$

Signal to noise ratio

AUX ..... 86 dB (IHF'66)

#### [FM Tuner section]

Tuning frequency range ..... 87.5 MHz ~ 108 MHz

#### [AM Tuner section]

Tuning frequency range ..... 530 kHz ~ 1,700 kHz

#### [Cassette deck section]

Track ..... 4-track, 2-channel stereo

Recording system ..... AC bias system  
(Frequency: 105 kHz)

Heads

A deck Playback head .....1

B deck Playback / recording head .....1

Erasing head.....1

Motors .....1

Fast winding time ..... Approx. 120 seconds  
(C-60 tape)

#### [CD player section]

Laser ..... Semiconductor laser

Playing rotation ..... 200 rpm ~ 500 rpm (CLV)

Wow & Flutter ..... Unmeasurable Limit

General

Power consumption .....150 W

Dimensions .....W: 270 mm (10-5/8")

H: 305 mm (12")

D: 342 mm (13-7/16")

Weight (net) ..... 8.8 kg (19.4 lb)

### Main unit (RXD-G4)

#### [Amplifier section]

Rated power output

70 watts per channel minimum RMS, both channels driven,  
at 6  $\Omega$  from 40 Hz to 15 kHz with no more than 0.5 % total  
harmonic distortion. (FTC)

Input sensitivity / impedance

AUX ..... 200 mV / 47 k $\Omega$

MIC ..... 2.1 mV / 2.2 k $\Omega$

Signal to noise ratio

AUX ..... 86 dB (IHF'66)

#### [FM Tuner section]

Tuning frequency range ..... 87.5 MHz ~ 108 MHz

#### [AM Tuner section]

Tuning frequency range ..... 530 kHz ~ 1,700 kHz

#### [Cassette deck section]

Track ..... 4-track, 2-channel stereo

Recording system ..... AC bias system  
(Frequency : 105 kHz)

Heads

A deck Playback head .....1

B deck Playback / recording head .....1

Erasing head.....1

Motors .....1

Fast winding time ..... Approx. 120 seconds  
(C-60 tape)

#### [CD player section]

Laser ..... Semiconductor laser

Playing rotation ..... 200 rpm ~ 500 rpm (CLV)

Wow & Flutter ..... Unmeasurable Limit

General

Power consumption .....180 W

Dimensions .....W: 270 mm (10-5/8")

H: 305 mm (12")

D: 342 mm (13-7/16")

Weight (net) ..... 9.4 kg (20.7lb)

# RXD-G3/G4/G5/G31/G51

## SPECIFICATIONS

### **Main unit (RXD-G5)**

#### **[Amplifier section]**

Rated power output

STEREO MODE

70 watts per channel minimum RMS, both channels driven,  
at 6  $\Omega$  from 40 Hz to 15 kHz with no more than 0.5 % total  
harmonic distortion.

SURROUND MODE

CENTER.....15 W (1 kHz, 8  $\Omega$ , 10 % T.H.D.)

REAR .....10 W +10 W (1 kHz, 8  $\Omega$ , 10 % T.H.D.)

Input sensitivity / Impedance

AUX..... 200 mV / 47 k $\Omega$

MIC .....2.1 mV / 2.2k $\Omega$

Signal to noise ratio

AUX ..... 86 dB (IHF'66)

#### **[FM Tuner section]**

Tuning frequency range .....87.5 MHz ~ 108 MHz

#### **[AM Tuner section]**

Tuning frequency range .....530 kHz ~ 1,700 kHz

#### **[Cassette deck section]**

Track .....4-track, 2-channel stereo

Recording system .....AC bias system  
(Frequency : 105kHz)

Heads

A deck Playback head ..... 1

B deck Playback / recording head .....1

Erasing head.....1

Motors .....1

Fast winding time ..... Approx. 120 seconds  
(C-60 tape)

#### **[CD player section]**

Laser .....Semiconductor laser

Playing rotation .....200 rpm ~ 500 rpm (CLV)

Wow & Flutter .....Unmeasurable Limit

General

Power consumption .....180 W

Dimensions .....W: 270 mm (10-5/8")

H: 305 mm (12")

D: 342 mm (13-3/8")

Weight (net) .....10.2 kg (22.5 lb)



UD COMPONENT SYSTEM/COMPACT HI-FI SYSTEM

# RXD-F3/F4/F41/F42

## SERVICE MANUAL

(UD-303/403/413/433/523/533)

# KENWOOD

© 1995-8 PRINTED IN KOREA

B51-5091-00 (K) 4180

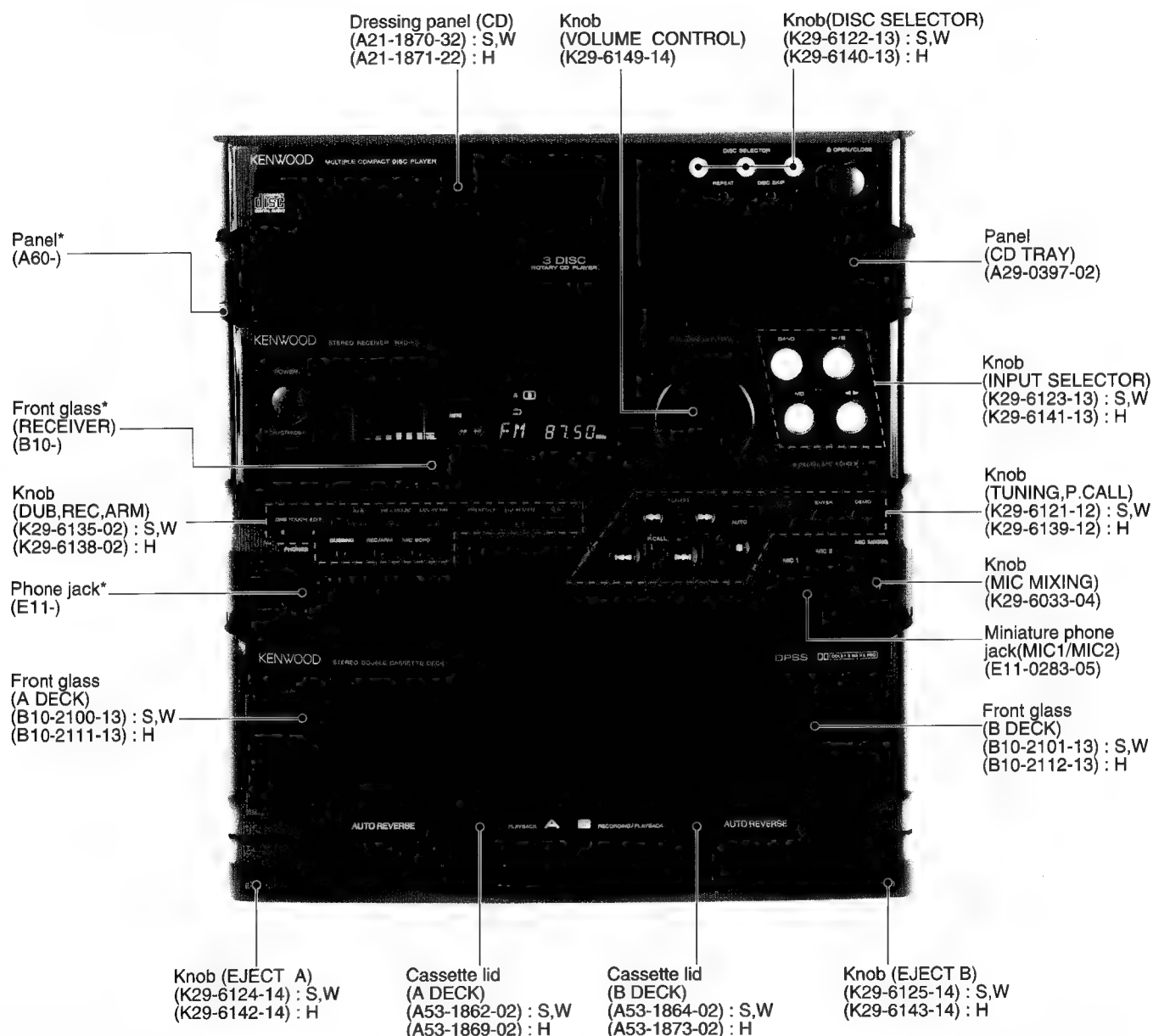


Photo is RXD-F3 M type. (It's like RXD-F41)

**S:**SINGAPORE made

**W:**MALAYSIA made

**H:**HUIZHOU made

\*Refer to parts list on page 79.

### PRECAUTIONS FOR REPAIR

● For the operation of the CD and the cassette (A or B deck) mechanism, see Service Manual (B51-4869-00) of RXD-C3/C3L.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040. 10, Chapter 1, Subchapter J.

**DANGER : Laser radiation when open and interlock defeated.  
AVOID DIRECT EXPOSURE TO BEAM.**

# RXD-F3/F4/F41/F42

## CONTENTS / ACCESSORIES

### Contents

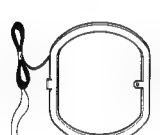
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IC description, refer to circuit description of the service manual.

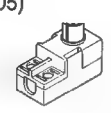
PCB No.	Ref. No.	IC Parts No.	Function	Service manual	On page
X09	IC302	LC7218	PLL, IF COUNT	T-7J	P15
X28	IC4	UPC1297CA	HX-PRO	KX-1100EX	P12
X32	IC1	CXA1782BQ	RF/SERVO	DP-ME9	P9

### Accessories

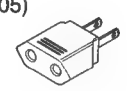
AM loop antenna .....(1) - - - - -  
(T90-0195-05)



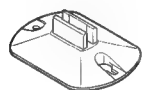
Antenna Adaptor.....(1)  
(For U.K. and Europe)  
(T90-0198-05)or  
(T90-0801-05)




AC plug adaptor.....(1)  
(Except for the U.S.A.,  
Canada,Mexico,Europe,  
U.K. and Australia)  
(E03-0115-05)



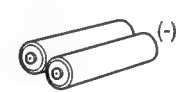
Loop antenna stand (1)  
(J19-3645-05)




FM indoor antenna .....(1)  
(T90-0182-15)



Batteries (R6/AA).....(2)  
(-)



Remote control unit .....(1)  
(A70-1020-05) : RC-F3 (RXD-F3/F41/F42)  
(A70-1018-05) : RC-F4 (RXD-F4)

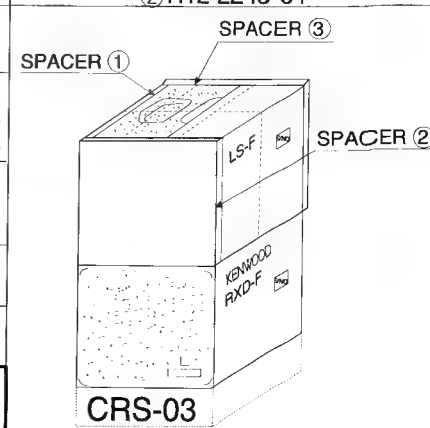


(BATTERY COVER : A09-0170-08)

For the unit with a European AC plug in areas other than Europe.  
Refer to **LS-F41** of service manual (B51-5063-00) about them.

### System configuration

SYSTEM NAME	MAIN UNIT	SPEAKERS	OVER CARTON		SPACER	
UD-303	RXD-F3/L	LS-F3	(K) H60-0320-04	(P,R) H60-0319-04	(K) ① H12-2247-04 ② H12-2248-04	(P,R) ① H12-2241-04 ② H12-2243-04
(K,P,R,M,Y,X) UD-403	RXD-F4	LS-F3 (K)addition CRS-03	(K) H60-0338-04	(P,R,M,Y,X) H60-0337-04	(K) ① H12-2246-04 ③ H12-2248-04	(P,R) ① H12-2241-04 ② H12-2243-04
(E,T,G) UD-403	RXD-F4/L	LS-F4				
UD-413	RXD-F41	LS-F41	(K) H60-0341-04	(P,R) H60-0340-04	(K,P,R) ① H12-2257-04 ② H12-2256-04	
UD-433	RXD-F3	LS-F3	(M,Y,X) H60-0346-04		(M,Y,X) ① H12-2241-04 ② H12-2243-04	
UD-523	RXD-F42	LS-F4	(M) H60-0318-04		① H12-2244-04	
UD-533	RXD-F4	LS-F4	(M,Y,X) H60-0345-04		① H12-2244-04	



# RXD-F3/F4/F41/F42

## EXTERNAL VIEW / CAUTION

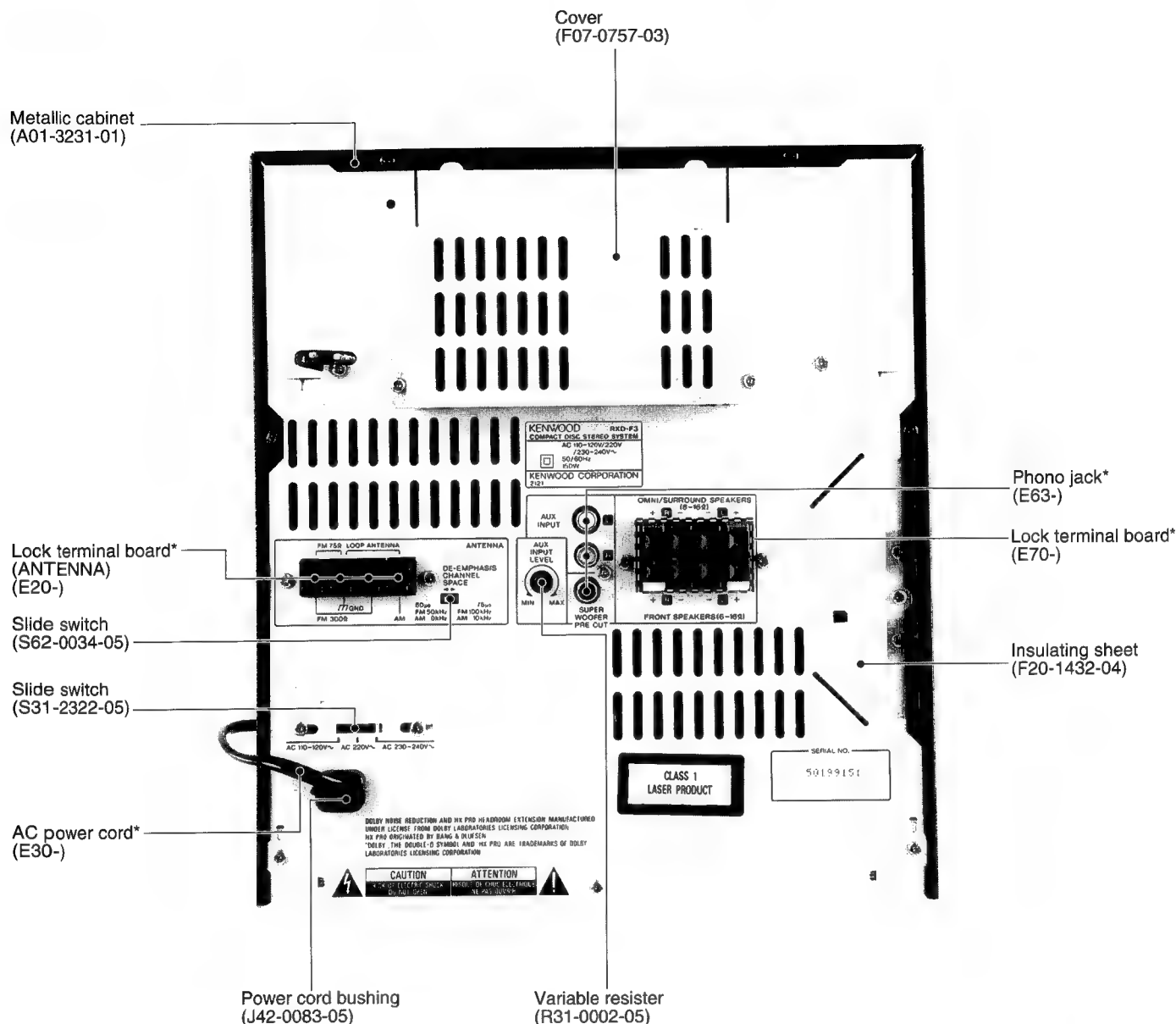


Photo is RXD-F3 M type (It's like RXD-F41)

\*Refer to parts list on page 79.

### Caution

#### Beware of condensation

When water vapor comes into contact with the surface of cold material, water drops are produced. If condensation occurs, correct operation may not be possible, or the unit may not function correctly. This is not a malfunction, however, and the unit should be dried. (To do this, turn the POWER switch ON and leave the unit for several hours.)

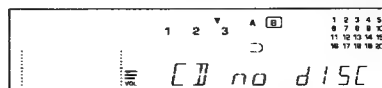
#### Be especially careful in the following conditions:

- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

#### Note related to transportation and movement (CD player)

Before transporting or moving this unit, carry out the following operations.

1. Turn the power ON but do not load a disc.
2. Wait a few seconds and verify that the display shown appears.

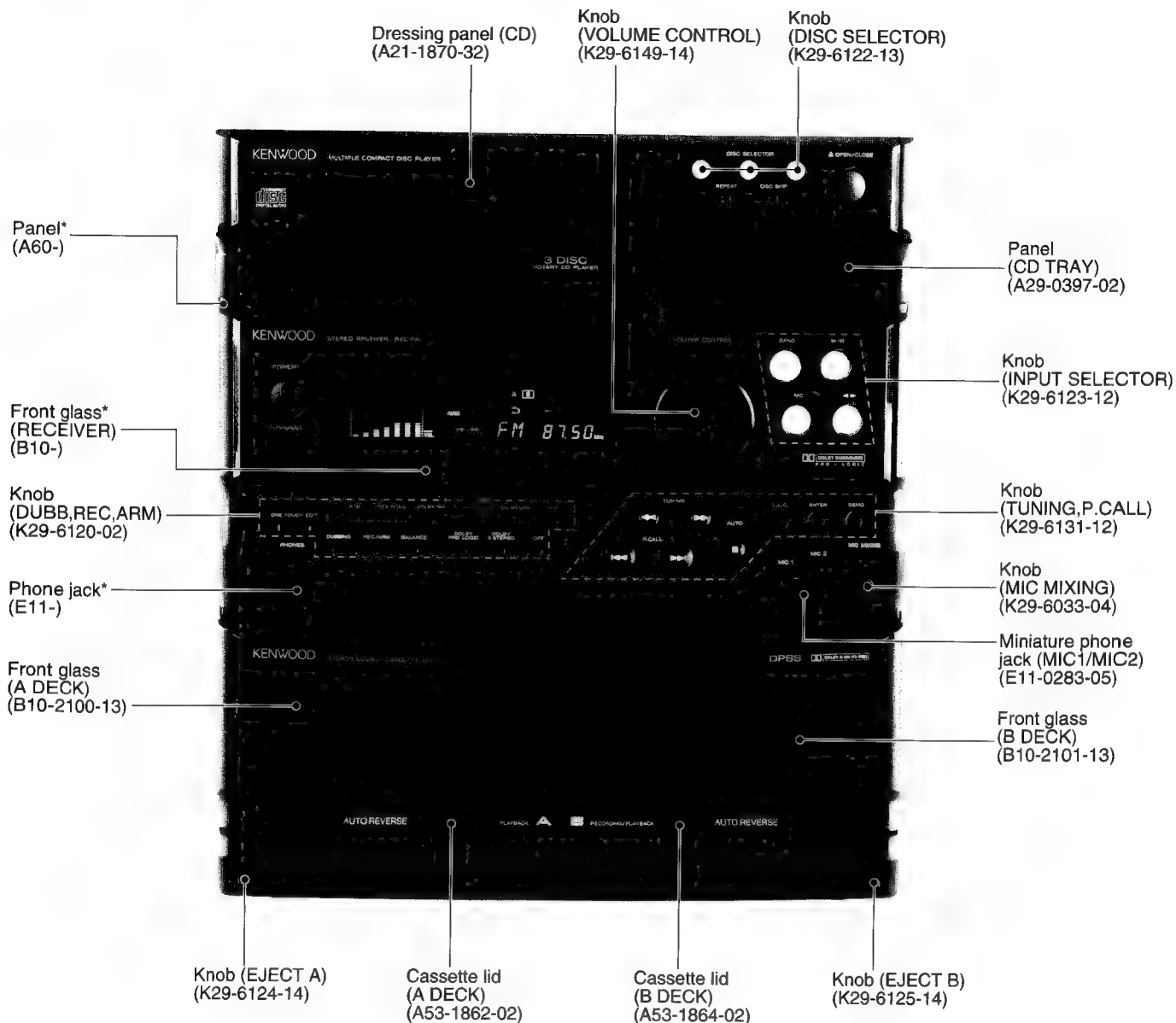


3. Turn the power OFF.

# RXD-F3/F4/F41/F42

## EXTERNAL VIEW / INSTRUCTION MANUAL

Photo is RXD-F4L (It's like RXD-F42)



### Instruction Manual

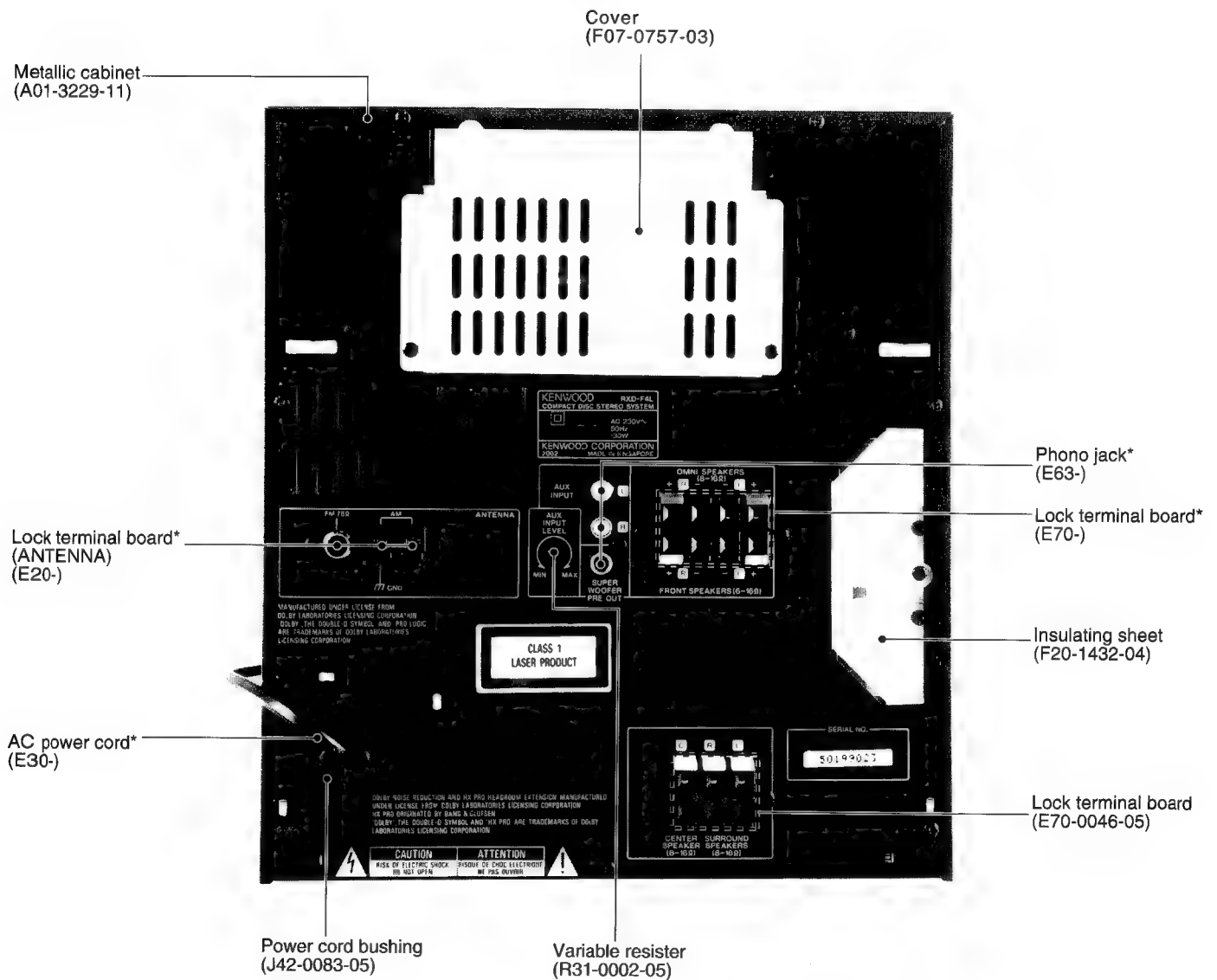
Language	System	Parts No.	Destination
ENGLISH	UD-303	B60-2170-00	T
	UD-303	B60-2171-00	KRP
	UD-433	B60-2255-00	MXI
	UD-403	B60-2145-00	KT
	UD-533	B60-2251-00	YMX
	UD-403	B60-2334-00	KRP
	UD-413	B60-2179-00	KRP
	UD-523	B60-2144-00	MI
FRENCH	UD-303	B60-2172-00	PE
	UD-403	B60-2146-00	E
	UD-403	B60-2335-00	P
	UD-413	B60-2180-00	P
GERMANY	UD-303	B60-2173-00	EG
	UD-403	B60-2147-00	EG

Language	System	Parts No.	Destination
DUTCH	UD-303	B60-2174-00	E
	UD-403	B60-2148-00	E
ITALYAN	UD-303	B60-2175-00	E
	UD-403	B60-2149-00	E
SPANISH	UD-303	B60-2176-00	RE
	UD-433	B60-2256-00	M
	UD-403	B60-2151-00	E
	UD-533	B60-2252-00	M
	UD-403	B60-2336-00	R
	UD-413	B60-2181-00	R
CHINESES	UD-433	B60-2177-10	MI
	UD-523	B60-2152-10	MI
TIWANESE	UD-433	B60-2178-10	M
	UD-523	B60-2153-10	M

# RXD-F3/F4/F41/F42

## EXTERNAL VIEW

Photo is RXD-F4L (It's like RXD-F42 Except ANTENNA terminal)

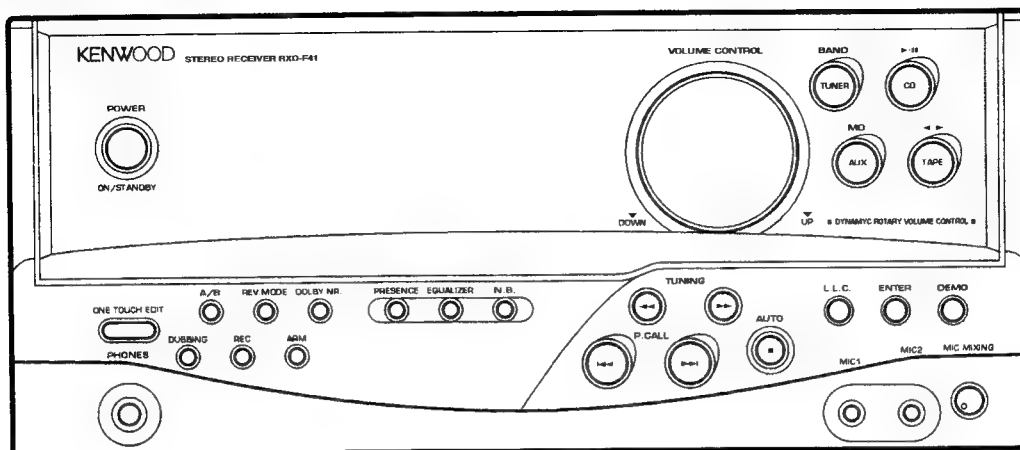


# RXD-F3/F4/F41/F42

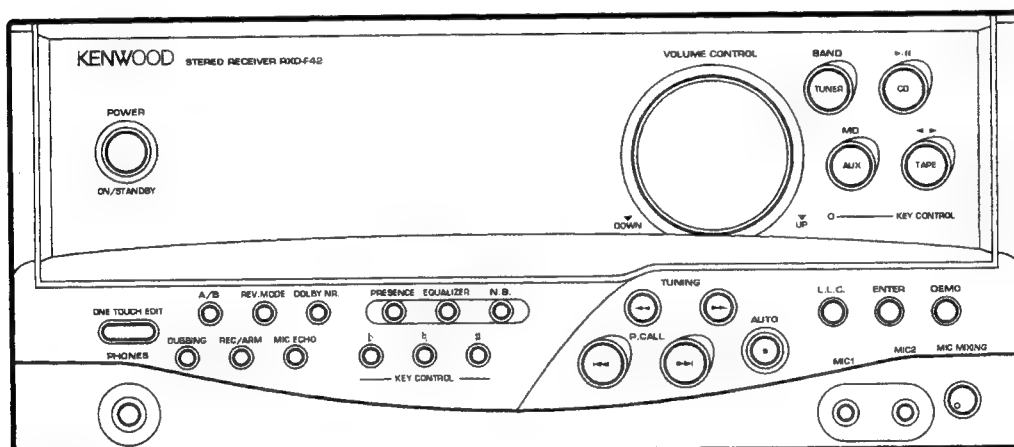
## EXTERNAL VIEW / REMOTE CONTROL

Front panel difference point

[RXD-F41]

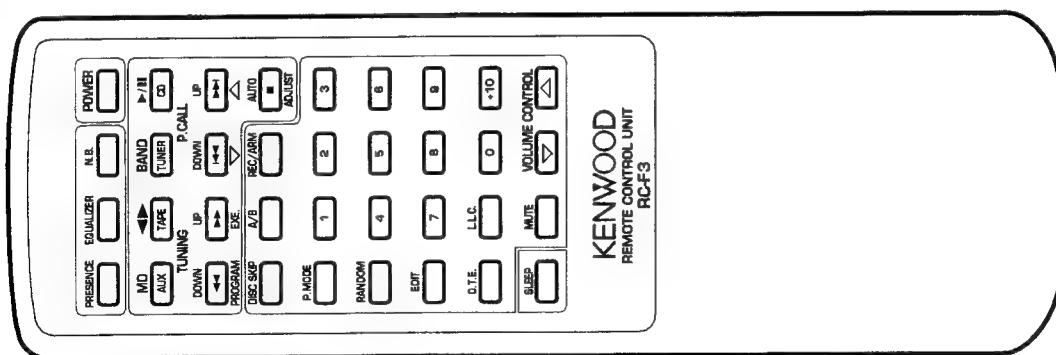


[RXD-F42]

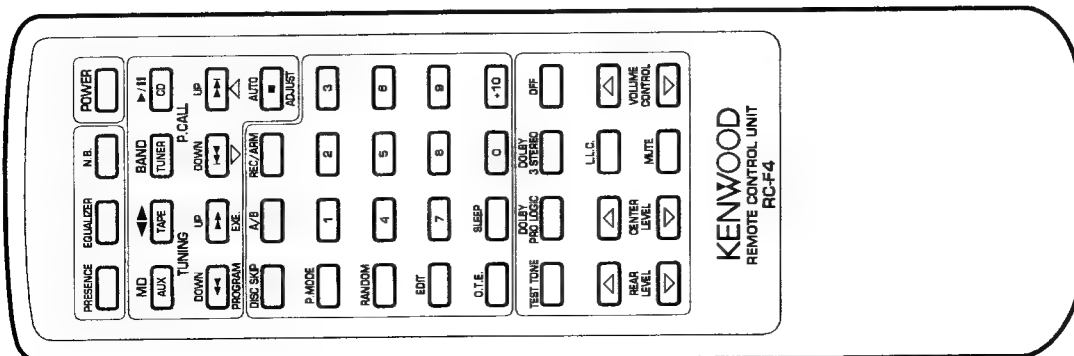


Remote control unit

[RXD-F3/F3L/F41/F42]



[RXD-F4]



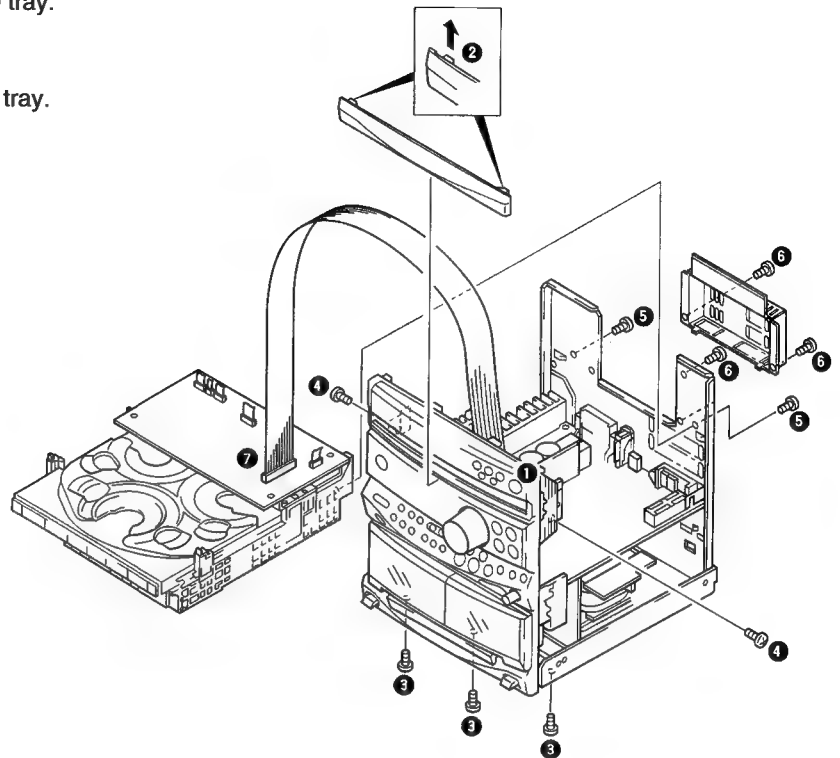


# RXD-F3/F4/F41/F42

## DISASSEMBLY FOR REPAIR

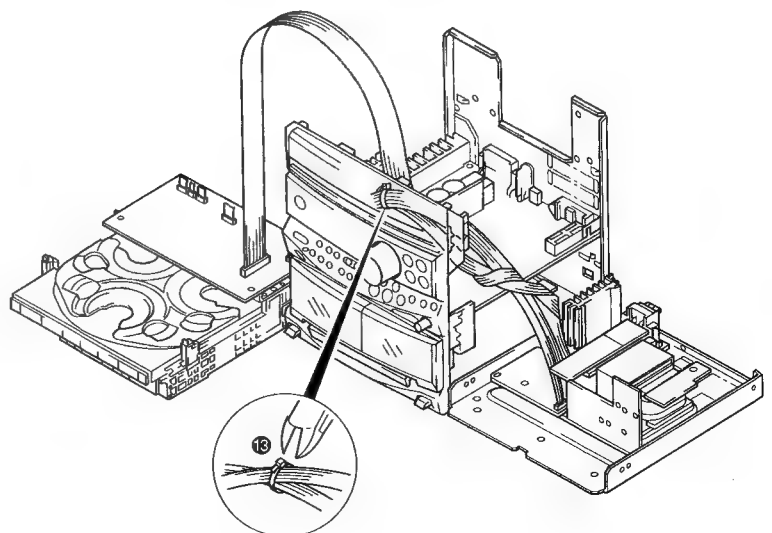
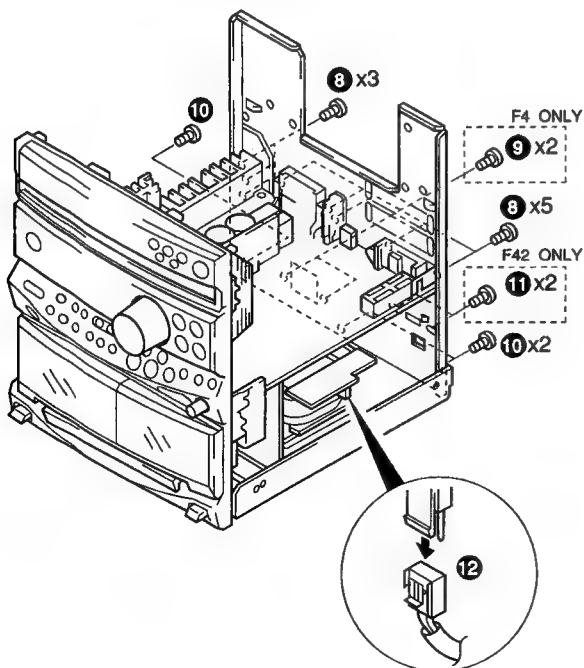
### [ Remove the CD player ]

1. Push the OPEN/CLOSE key(❶), then open the CD tray.
2. Lift the left and right sides(❷) of the CD player front cover upward and remove it.
3. Push the OPEN/CLOSE key(❶) then close the CD tray.
4. Remove the 3 screws(❸) of the bottom.
5. Remove the 9 screws(❹ ~ ❺), then remove the CD mechanism(❷).



### [ Remove the chassis ]

1. Remove the 15 screws(❸~❾) and the connector (X09, CN7) (❿) of RXD-F42
2. Cut the lead wire(⓫), then remove the chassis.



# RXD-F3/F4/F41/F42

## DISASSEMBLY FOR REPAIR

### [CD mechanism section]

#### 1) How to detach the tray

1. From the rear side of the CD mechanism, use a screw driver or the like to turn the friction arm (1) fully counterclockwise.
2. Remove the two bracket attachment screws (2).
3. Remove the tray in the arrow direction (4).

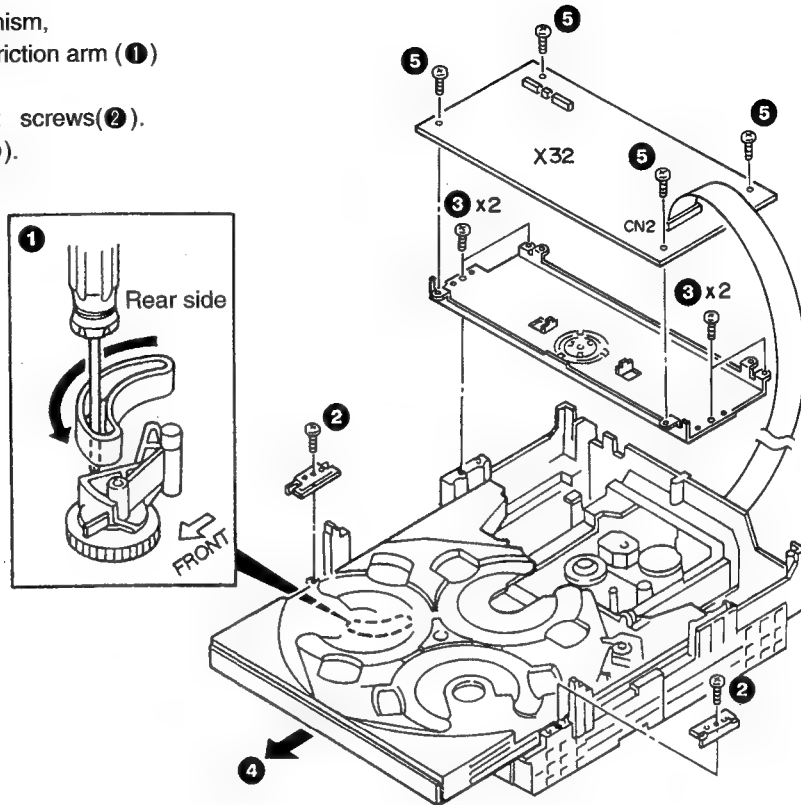


FIG. 1

#### 2) How to attach the tray

1. Check to make sure the rollers on each side (two rollers) have not come off. Move the friction gear by hand in the direction of arrow (1), align the groove on the rear side of the slide tray with the friction gear shaft and insert the slide tray.
2. Align the grooves on both sides of the slide tray with the main chassis' guides (2) and insert the slide tray as far back as it will go.
3. Attach the brackets on both sides (two brackets).

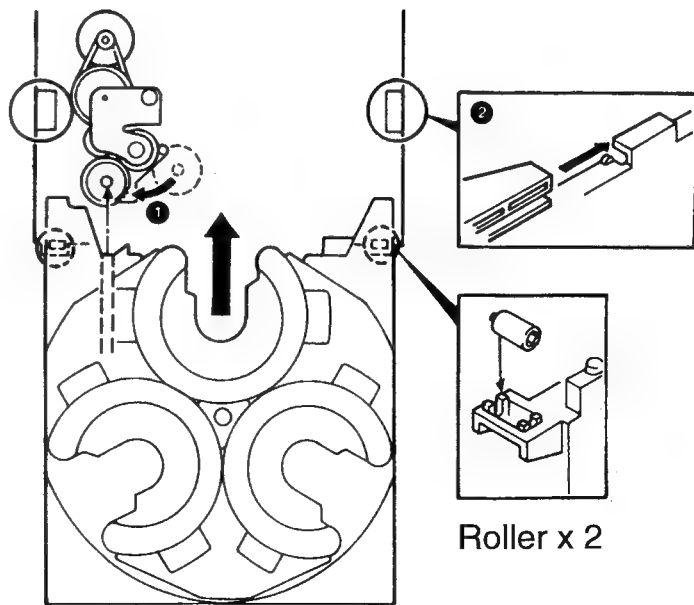


FIG. 2

# RXD-F3/F4/F41/F42

## DISASSEMBLY FOR REPAIR

### 3) Replacing the pickup

1. Remove the two clamp bracket attachment screws.(Fig.1 ③).
2. Remove the four screws affixing the lift slider and lift out the lift slider and traverse unit.

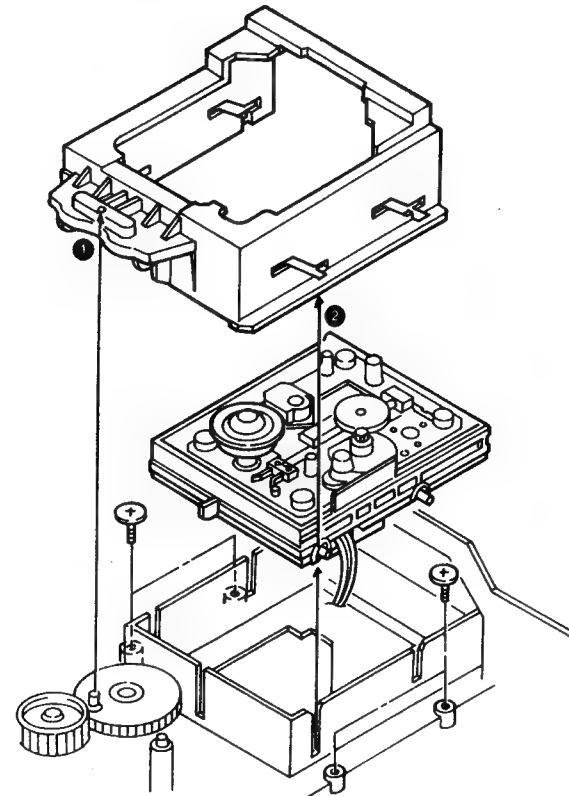


FIG. 3

3. Short the short land.
4. Remove the connector of the flat cable.
5. Remove the gear.
6. Remove the shaft.

※ When reassembling, always be sure to align the cam gear and traverse shaft as shown in ① and ② of Fig ③. Then remove a tool of the short land.

**Note :** Don't separate pickup PC board from pickup.

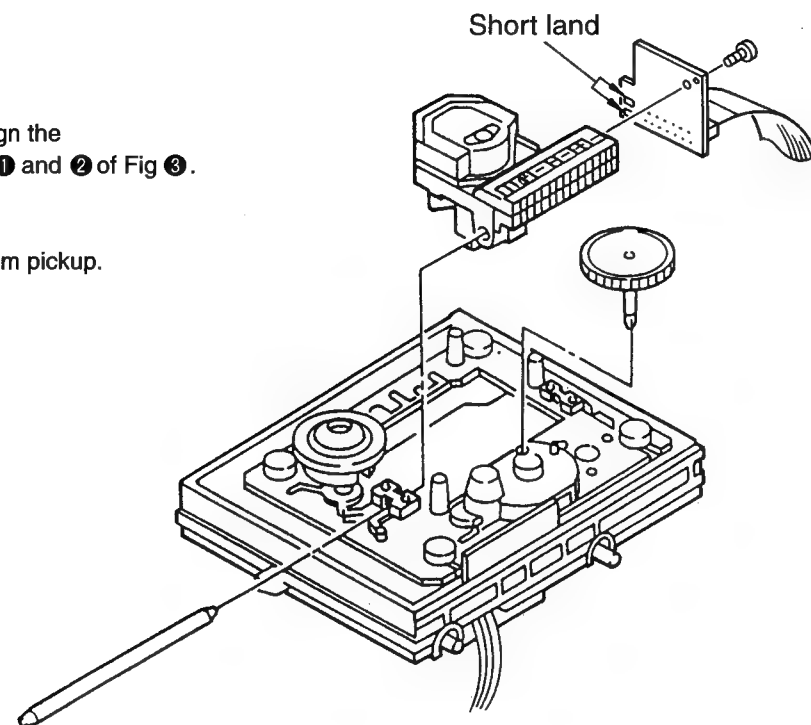


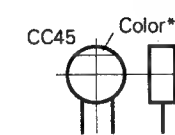
FIG. 4

# RXD-F3/F4/F41/F42

## PARTS DESCRIPTION

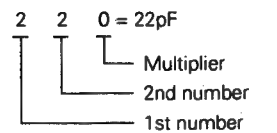
### CAPACITORS

CC	45	TH	1H	220	J
1	2	3	4	5	6
1 = Type ... ceramic, electrolytic, etc.					
2 = Shape ... round, square, ect.					
3 = Temp. coefficient					
	4 = Voltage rating				
	5 = Value				
	6 = Tolerance				



### Capacitor value

010 = 1pF
100 = 10pF
101 = 100pF
102 = 1000pF = 0.001μF
103 = 0.01μF



### Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

### Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF -10 ~ +50 Less than 4.7μF -10 ~ +75

### (Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

### Voltage rating

2nd word	A	B	C	D	E	F	G	H	J	K	V
1st word											
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

### Chip capacitors

(EX)	C	C	7	3	F	S	L	1	H	0	0	J
	1	2	3	4	5	6	7					
(Chip) (CH, RH, UJ, SL)												
(EX)	C	K	7	3	F	F	1	H	0	0	0	Z
	1	2	3	4	5	6	7					
(Chip) (B, F)												

### Dimension (Chip capacitors)

Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

### RESISTORS

#### Chip resistor (Carbon)

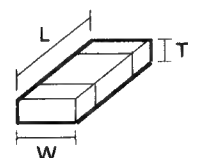
(EX)	R	K	7	3	E	B	2	B	0	0	0	J
	1	2	3	4	5	6	7					
(Chip) (B, F)												

#### Carbon resistor (Normal type)

(EX)	R	D	1	4	B	B	2	C	0	0	0	J
	1	2	3	4	5	6	7					

- 1 = Type  
2 = Shape  
3 = Dimension  
4 = Temp. coefficient  
5 = Rating wattage  
6 = Value  
7 = Tolerance

### Dimension



### Dimension (Chip resistor)

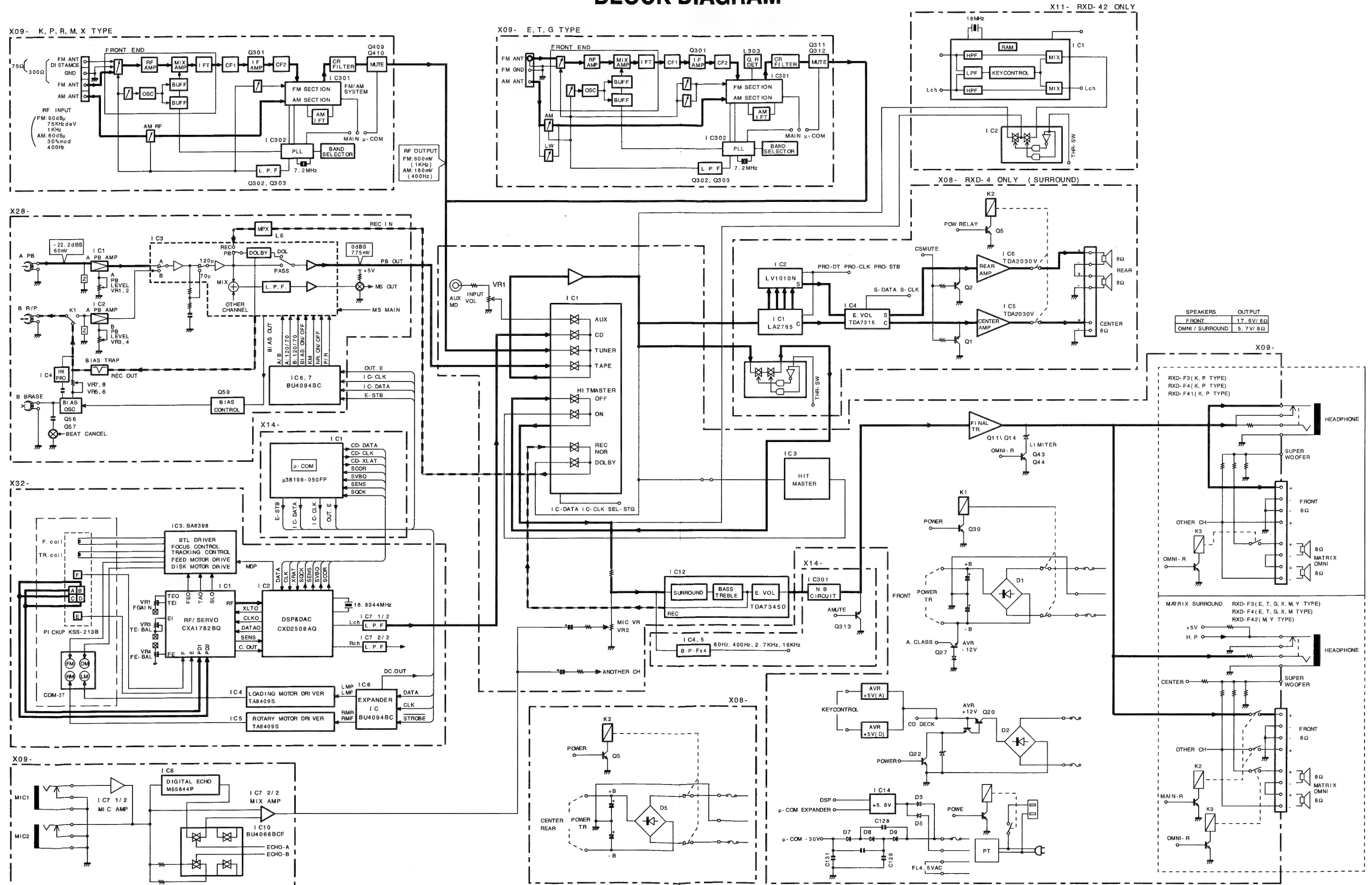
Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6 ± 0.2	0.8 ± 0.2	0.5 ± 0.1

### Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

# RXD-F3/F4/F41/F42 RXD-F3/F4/F41/F42

## BLOCK DIAGRAM



# RXD-F3/F4/F41/F42

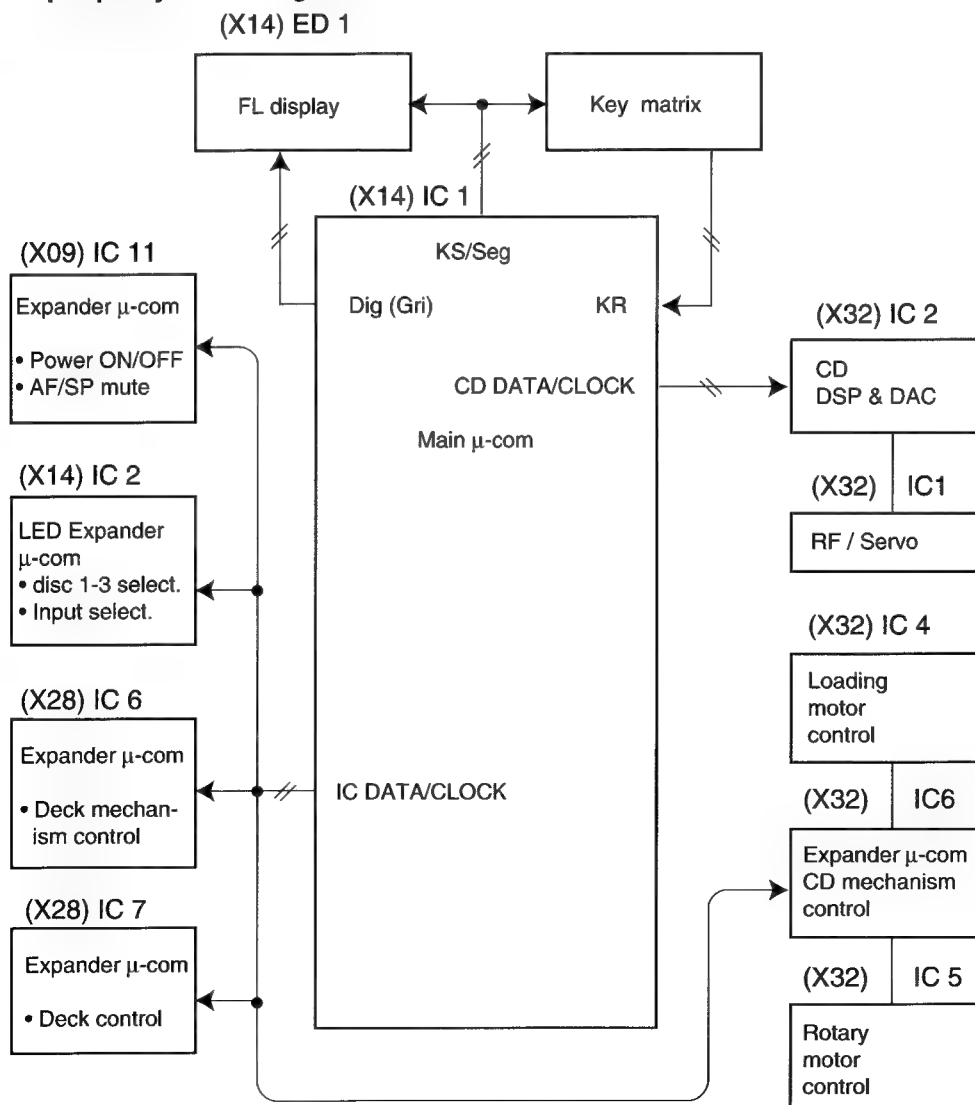
## CIRCUIT DESCRIPTION

### 1. MAIN $\mu$ -COM (M38198MC-053FP) (X14 : IC 1) : CD,Display

#### 1.1 Function

		RXD-F2			RXD-F3			RXD-F4	RXD-F41	RXD-F42
		K,P,R	X,T,E,G	M,Y	K,P,R	X,T,E,G	M	M,X,Y,T,E,G	K,P,R	M
CD Player		3 DISC								
Tuner	FM Stereo	○								
	LW		T only			T only		T only		
AMP	POWER	30W			50W					
	MATRIX Circuit/ Surround terminal			○		○				○
	A.S.P						○			
	MIC x 2, MIXING						○			
	Digital echo						○			
	Digital key control							○		
	DOLBY PROLOGIC						○			
	AC outlet							○		
DECK	W-DECK MECHA	FULL LOGIC ONE WAY			FULL LOGIC REVERSE					
	DOLBY NR	B			B,HX-PRO					
	Normal speed						○			
	B DECK recording						○			

#### 1.2 Microprocessor periphery block diagram

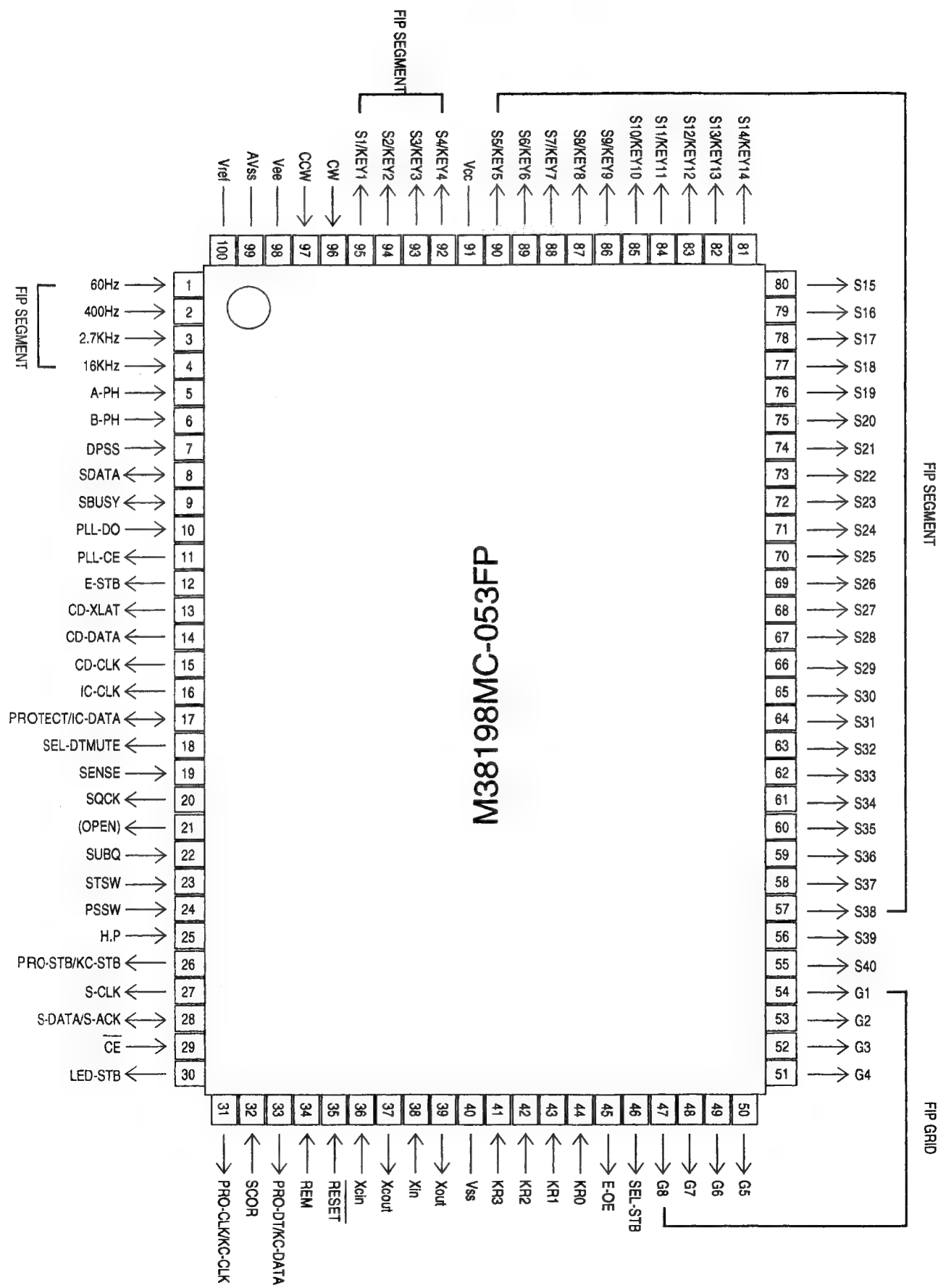




# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

### 1.3 Pin connection



# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

### 1.4 Pin description

PIN NO.	I/O	NAME	DESCRIPTION	REMARKS
1	I	60Hz	Speana input(A/D convertor input)	
2	I	400Hz		
3	I	2.7kHz		
4	I	16kHz		
5	I	A-PH	A photo sensor input	
6	I	B-PH	B photo sensor input	
7	I	DPSS	DPSS detection	
8	I/O	SDATA	Serial communication data	Refer Note 1
9	I/O	SBUSY	Serial communication busy	Refer Note 1
10	I	PLL-DO	PLL(LC7218)data input	
11	O	PLL-CE	PLL(LC7218)chip enable	
12	O	E-STB	Expander IC(BU4094BF) strobe	
13	O	CD-XLAT	CD latch output(CXA1782BQ,CXD2508Q)	
14	O	CD-DATA	CD IC DATA(CXA1782BQ · CXD2508Q)	
15	O	CD-CLK	CD IC CLK(CXA1782BQ · CXD2508Q)	
16	O	I C-CLK	IC-CLOCK(BU4094BF · NJU7313AM,NJU3718G · LC7218,LC83025E)	
17	I/O	PROTECT/IC-DATA	Protection input IC data(BU4094BF · NJU7313AM,NJU3718G,LC7218,LC83025E)	
18	O	SEL-DTMUTE	Selector IC data mute(NJU7313AM)	
19	I	SENSE	CD sense input(CXA1782BQ,CXD2508Q)	
20	O	SQCK	Sub cord clock(CXD2508Q)	
21	O	(OPEN)	Unused	
22	I	SUBQ	Sub code data(CX2508Q)	
23	I	STSW	CD mechanism stop SW	
24	I	PSSW	CD mechanism position SW	
25	I	H. P	Headphone input	Refer note 8
26	O	PRO-STB/KC-STB	Dolby PROLOGIC IC(LA2785,LV1010N)strobe/Karaoke (Key control) IC(M65840SP) strobe	Refer Note 2
27	O	S-CLK	Surround IC clock(TDA7315,TDA7345)	
28	I/O	S-DATA/S-ACK	Surround IC data(TDA7315 · TDA7345)	
29	I	CE	Power failure input	
30	O	LED-STB	LED IC( NJU3718G) strobe	
31	O	PRO-CLK/KC-CLK	Dolby PROLOGIC IC(LA2785,LV1010N)clock/Karaoke (Key control) IC(M65840SP)clock output	Refer Note 2
32	I	SCOR	Sub code(CXD2508Q)	
33	O	PRO-DT/KC-DATA	Dolby PROLOGIC IC(LA2785,LV1010N) data/Karaoke (Key control) IC(M65840SP) data output	Refer Note 2
34	I	REM	Remote control input	
35		RESET	Reset	

# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

PIN NO.	I/O	NAME	DESCRIPTION	REMARKS
36	I	Xcin	Timer clock input(32.768KHz)	
37	O	Xcout		
38	I	Xin	Main clock input(8.38MHz)	
39	O	Xout		
40		Vss	(GND)	
41 ~ 44	I	KR3 ~ KR0	Key return 3 ~ 0	
45	O	E-OE	Expander IC(BU4094BF) enable control	
46	O	SEL-STB	Selector IC(NJU7313AM) strobe	
47 ~ 54	O	G8 ~ G1	FL grid output G8 ~ G1	
55 ~ 80	O	S40 ~ S15	FL segment output S40 ~ S15	
81~90	O	SI4/KS14 ~ S5/KS5	FL segment/Key scan output S14/KS14~S5/KS5	
91		Vcc	(Micom power)	
92~95	O	S4/KS4~S1/KS1	FL segment/Key scan output S4/KS4~S1/KS1	
96	I	CW	Rotary encoder input B	
97	I	CW	Rotary encoder input A	
98		Vee	Full down power	
99		AVss	A/D GND	
100		Vref	A/D reference voltage	

### 1.5 Key scan line input

NAME	DESCRIPTION	REMARKS
SLT	CD limit SW	
DNSW	CD down SW	
UPSW	CD up SW	
LDSW	CD load SW	
UNLOAD	CD unload SW	
A-PACK	A deck tape detection	
B-PACK	B deck tape detection	
A-CrO2	A deck Normal/CrO2 detection	
B-CrO2	B deck Normal/CrO2 detection	
A-PLAY	A deck PLAY — SW	
B-PLAY	B deck PLAY — SW	
FREC	Forward REC detection	
RREC	Reverse REC detection	Refer Note 7
TEST	PCB TEST mode	
DSW3	Decided model(D)	
DSW4		
DSW5	Decided destination(D)	
DSW6		
DSW0	Decided tuner destination(D)	
DSW1		
DSW2		
ST	PLL stereo input	
SD	Station detector input	

# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

Note 1: This port controls only the J-type of UD303/UD423. As for the same model for other destinations, it is set to the input mode, and the register to be accessed is kept at Low.

Note 2: This port controls only the M/J-type of UD423 (key-control type) and all destination models of UD403 (DOLBY PRO LOGIC type). As for the model for other destinations, it is set to the input mode, and the register to be accessed is kept at Low.

Note 3: This terminal controls only all destination models of UD403 (DOLBY PRO LOGIC type). As for other models, it is set at Low.

Note 4: This terminal controls the M/J type of UD203, the E/M type of UD303/UD403, the M/J type of UD423, and the K type of UD403. As for other models, it is set at Low.

Note 5: This terminal controls the M/J type of UD303/UD423. As for other models, it is set at Low.

Note 6: This terminal controls all destination models of UD403 as a MAIN RELAY as well as the M/J type of UD423 as a KEY CONTROL LED. As for other models, it is set at Low.

Note 7: This terminal is fixed at Low for the ONE-WAY type deck (i. e. all destination models of UD203).

Note 8: This port is fixed at Low except on UD403.

Note 9: This port is unused when the mechanical deck has one motor.

	UD203				UD303				UD403			UD413				UD423	
	K	E	M	J	K	E	M	J	K	E	M	K	E	M	J	M	J
Note 1								O									O
Note 2									O	O	O					O	O
Note 3									O	O	O						
Note 4			O	O		O	O	O	O	O	O					O	O
Note 5							O	O	O		O					O	O
Note 6									O	O	O					O	O
Note 7	O	O	O	O					O								
Note 8									O	O	O						

Additional Explanation on Note 4:

OMNI RELAY (MATRIX SURROUND) Control

The models that this terminal controls as an OMNI RELAY are UD203 (M/J), UD303 (E/M/J), UD403 (E/M), and UD423 (M/J), of which control is activated (i. e. turned ON) in the ARENA / JAZZ CLUB / STADIUM mode of PRESENCE.

As far as UD403 (K) is concerned, the terminal is controlled (i. e. turned ON) only when it is set at DOLBY PRO LOGIC: 3 STEREO.

Please note that there is no need to control it when the same model for other destinations are set at DOLBY PRO LOGIC: 3 STEREO.

### DIODE SWITCH TABLE

#### (1)DECIDED MODEL(DSW3,DSW4)

	DSW4 D19	DSW3 D18
UD203	L	L
UD303	L	H
UD403	H	L
UD413/UD423	H	H

L : Non diode

H : Exist diode

#### (2)DECIDED DESTINATION(DSW5,DSW6)

	DSW6 D16	DSW5 D17
K, P, R	L	L
E, T, G, X	L	H
M, Y	H	L

L : Non diode

H : Exist diode

# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

### 1.6 Initialization (Reset)

Insert the AC plug into the outlet while holding down the ENTER key of main unit.

#### Initial stage

	State			State	
SYSTEM	POWER	OFF		BAND	FM
	CLOCK	STOP(AM12:00)		Each last BAND	
	PROG. Operation MODE	OFF		FM : P.ch= -- ch FREQ=min(76.0 or 87.5MHz)	
CLOCK PROG.	PROG.1 : ON=AM12:00	OFF=AM12:00	TUNER	AM(MW) : P.ch= -- ch FREQ=min(530 or 531kHz)	
	MOD=PLAY	SOC=TUNER(1ch)		LW : P.ch= -- ch FREQ=min(153kHz)	
	PROG.2 : ON=AM12:00	OFF=AM12:00		P.CH Memory 1ch~20ch : Test frequency	
	MOD=PLAY	SOC=TUNER(1ch)		(Refer to Test Frequency)	
				Tuning MODE	AUTO (AUTO STEREO)
AMP	VOLUME	7SEG=7		A/B Selector	B
	SELECTOR	TUNER		A Deck Head position	For FWD
	EQ.	OFF		B Deck Head position	For FWD
	PRESENCE	OFF	TAPE	DOLBY NR	OFF
	LLC	OFF		DIRECTION	↺
	ACTIVE N.B.	OFF	CD	DISC Selector	DISC 1
	MUTING	OFF		REPEAT	OFF

## 2 TEST MODE

### 2.1 Cassette Deck TEST Mode

TEST Mode	Operation	Description
Input method	While depressing the TAPE key, plug the power cord in to an AC power outlet.	Entered TEST mode.
Cancel method	Turn off the power.	Cancelled TEST mode.
4 sec. REC	REC	Insert the cassette tape of B deck, select AUX, the deck start REC position. On the REC mute off, started 4 sec REC. After return REC Starting position,select TAPE, started PLAY position.
Direct PLAY	FWD key ※ RVS key(Insert the tape in the A or B deck)	FWD key : Moved FWD PLAY to select A or B RVS key : Moved REV PLAY to select A or B.
W PLAY	FWD key ※ RVS key(Insert the tape in the A or B deck)	Moved PLAY A and B, output PLAY signal with selection.
FL display	DEMO	FL : All no light ←→ normal display(cyclic) LED RED and GRN : Flickering ←→ normal display(Cyclic)

※ RVS position isn't RXD-F2.

### 2.2 DETECT HALF SW (On TEST MODE)

**A**      **B**  
 ◁ ▷    ◁ ▷  
 ↓ ↓    ↓ ↓  
 ① ②    ③ ④  
 ① A deck sw detection display  
 Lit(ON) : A deck NORMAL tape  
 Lit(OFF) : A deck METAL, CrO2 tape  
 ② B deck sw detection display  
 Lit(ON) : B deck NORMAL tape  
 Lit(OFF) : B deck METAL, CrO2 tape

③ B deck sw detection display  
 Lit(ON) : B deck RVS direction REC possible tape  
 Lit(OFF) : B deck RVS direction REC impossible tape  
 ④ B deck sw detection display  
 Lit(ON) : B deck FWD direction REC possible tape  
 Lit(OFF) : B deck FWD direction REC impossible tape



# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

### 2.2 AMP GE TUNER TEST MODE

#### 1. How to turn it ON

If you turn ON the power while pressing the AUX key or the TUNER key, it will go into the AMP/GE/TUNER test mode.

#### 2. Operation immediately after the start-up of the test mode

The test mode gets started while the power is turned ON. If the AUX key is pressed, the selector will be turned to "AUX." If the TUNER key is pressed, it will be turned to "TUNSR. All the FLs will light up. The red and green lamps of the two-color LEDS will light up by turns at 500 msec. interval. All the single-color LEDS will light up. The indication with all the LEDS' lighting up can be released by operating the key on the remote control or on the main body. Then, it will be returned to the ordinary "AUX" display then to the ordinary display.

#### 3. Operation in the test mode

(1) MUTE control is not activated when the mode is switched.

(2) The test mode will not be terminated if it is shifted to other positions than "AUX."

(3) The test mode will be terminated by plugging it off the power source or by initializing it, when all the settings will be initialized.

(4) During the test mode, it can be operated in a special manner that is different from an ordinary operation by using the keys on the remote control or the main body, specifically as shown in the following table.

Key	Function	Key	Function
POWER	Initialization	DEMO	All light ⇔ normal display(cyclic)
CD	Normal operation	+10(Remocon key)	Selector TUNER+10 key
TAPE	Normal operation	0(Remocon key)	Selector TUNER 0 key
TUNER	Normal operation	1(Remocon key)	Selector TUNER 1 key
MD/AUX	Normal operation	2(Remocon key)	Selector TUNER 2 key
■	Normal operation	3(Remocon key)	Selector TUNER 3 key
◀◀	Normal operation	4(Remocon key)	Selector TUNER 4 key
▶▶	Normal operation	5(Remocon key)	Selector TUNER 5 key
◀◀	Normal operation	6(Remocon key)	Selector TUNER 6 key
▶▶	Normal operation	7(Remocon key)	Selector TUNER 7 key
ENTER.	Normal operation	8(Remocon key)	Selector TUNER 8 key
LLC	Normal operation	9(Remocon key)	Selector TUNER 9 key
PRESENCE	Normal operation		
N. B.	Normal operation		
EQ. ON/OFF	Normal operation		
DEMO	Normal operation		
DISC 1	Normal operation		
DISC 2	Normal operation		
DISC 3	Normal operation		
OPEN/CLOSE	Normal operation		
※DISK SKIP	※Equalizer FLAT (OFF)		
REPEAT	Normal operation		
A/B(A)	※Master MID(CE)		
DIRECTION/B(F2 only)	※Master MIN(L)		
DOLBY NR B(Unit)	Equalizer MIN		
DUBBING (Unit)	Equalizer MAX		
REC/ARM(REC)	HIT MASTER ON		
ONE TOUCH EDIT	※Master MAX(R)		

※ The DISK SKIP key is used for "Equalizer FLAT" and "OFF function" (to turn OFF "PRESENCE" and "HIT MASTSR").

※ The remote control/main body keys that are not listed above will work as usual.

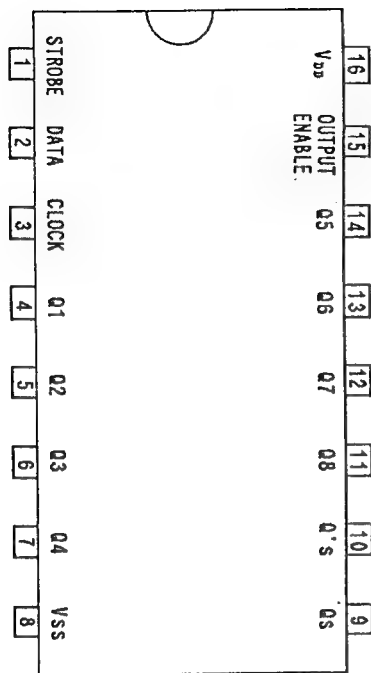
※ If you press the center key of the models equipped with DOLBY SURROUND function, the DIRECTION key has the "L-side balance MAX" function, the A/B(A) key has the "balance center" function, and the ONE TOUCH EDIT key has the "R-side balance MAX" function.

# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

3. Expander  $\mu$ -com : BU4094BCF (X09 : IC11) (X28 : IC 6,7) , BU4094BC (X32 : IC6)

### 3.1 Pin connection



### 3.2 Pin connection

Pin No.	Pin Name	I/O	Pin Function
1	STROBE	I	STROBE INPUT
2	DATA	I	DATA INPUT
3	CLOCK	I	CLOCK INPUT
4	Q1	O	PARALLEL OUTPUT
5	Q2	O	PARALLEL OUTPUT
6	Q3	O	PARALLEL OUTPUT
7	Q4	O	PARALLEL OUTPUT
8	Vss	—	Vss
9	Qs	O	SERIAL OUTPUT
10	Q's	O	SERIAL OUTPUT
11	Q8	O	PARALLEL OUTPUT
12	Q7	O	PARALLEL OUTPUT
13	Q6	O	PARALLEL OUTPUT
14	Q5	O	PARALLEL OUTPUT
15	OUTPUT ENABLE	I	ENABLE INPUT
16	V DD	—	V DD

※ Refer to next diagram about Q1 ~ Q8.

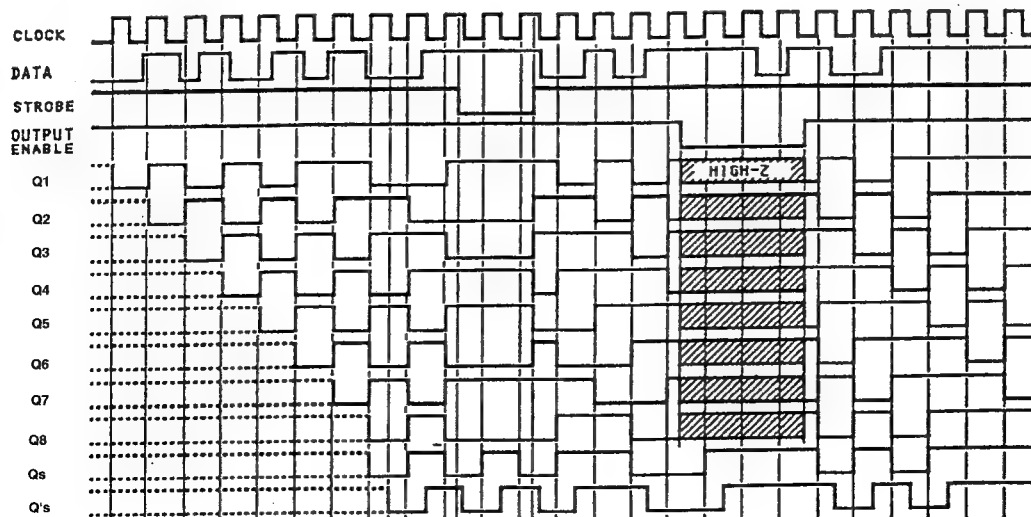
### 3.3 TRUE TABLE

CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUTS		SERIAL OUTPUTS	
				Q1	Qn	Qs	Q's
	L	X	X	Z	Z	Q7	No Chg.
	L	X	X	Z	Z	No Chg.	Qs
	H	L	X	No Chg.	No chg.	Q7	No Chg.
	H	H	L	L	Qn- 1	Q7	No Chg.
	H	H	H	H	Qn-1	Q7	No Chg.
	H	X	X	No Chg.	No Chg.	No Chg.	Qs

Z=High Impedance

X=Don' t Care

### 3.4 Timing chart

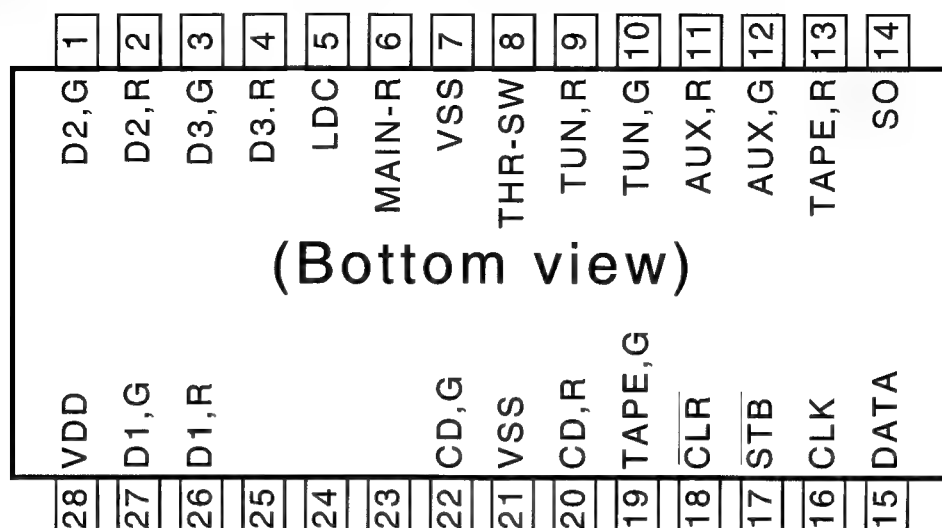


# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

### 4. EXPANDER $\mu$ -COM : NJU3718G (X14 : IC2)

#### 4.1 Pin connection



#### 4.2 Pin description

Pin No.	Pin Name	I/O	Pin Function
1	D2. G	O	DISC2 GREEN
2	D2. R	O	DISC2 RED
3	D3. G	O	DISC3 GREEN
4	D3. R	O	DISC3 RED
5	LDC	O	CD LASER DIODE
6	MAIN-R	O	MAIN SPEAKER RELAY( Ref.Note 6)
7	Vss	—	V ss
8	THR-SW	O	Key control/Pro Logic through SW
9	TUN. R	O	Selector TUNER LED RED
10	TUN. G	O	Selector TUNER LED GREEN
11	AUX. R	O	Selector AUX LED RED
12	AUX. G	O	Selector AUX LED GREEN
13	TAPE. R	O	Selector TAPE LED RED
14	SO	I	NO USE
15	DATA	I	DATA INPUT
16	CLK	I	CLOCK INPUT
17	STB	I	STROBE INPUT
18	CLR	I	CLEAR INPUT
19	TAPE. G	O	Selector TAPE LED GREEN
20	CD. R	O	Selector CD LED RED
21	Vss	—	Vss
22	CD. G	O	Selector CD LED RED
23	◀▶	O	Center control key(◀▶)
24	◀▶	O	Center control key(◀▶)
25	■	O	Center control key( ■ )
26	D1. R	O	DISC1 RED
27	D1. G	O	DISC1 GREEN
28	V DD	—	V DD

● Note 6: This terminal controls all destination models of UD403 as a MAIN RELAY as well as the M/J type of UD423 as a KEY CONTROL LED. As for other models, it is set at Low.

# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

### Expander port output

#### 1. Amp section (8 ports)

IC-NO.	Pin No.	Name	I/O	Function name	Description	Remarks
(X09)IC11	4	Q1	O	POWER	Power supply output	
	5	Q2	O	AMUTE	Audio MUTE	
	6	Q3	O	CR-MUTE	Center rear MUTE	Ref. Note 3
	7	Q4	O	CR-R	Relay ON/OFF of center rear speakers	Ref. Note 3
	14	Q5	O	OMNI-R	Relay ON/OFF of OMNI speakers	Ref. Note 4
	13	Q6	O			
	12	Q7	O			
	11	Q8	O	TMUTE	Tuner MUTE	

- Note 3 : his terminal controls only all destination models of UD403 (DOLBY PRO LOGIC type). As for other models, it is set at Low.
- Note 4 : This terminal controls the M/J type of UD203, the E/M type of UD303/UD403, the M/J type of UD423, and the K type of UD403. As for other models, it is set at Low.
- Additional Explanation on Note 4 : OMNI RELAY (MATRIX SURROUND) Control  
The models that this terminal controls as an OMNI RELAY are UD203 (M/J), UD303 (E/M/J), UD403 (E/M), and UD423 (M/J), of which control is activated (i. e. turned ON) in the ARENA / JAZZ CLUB /STADIUM mode of PRESENCE.  
As far as UD403 (K) is concerned, the terminal is controlled(i. e. turned ON) only when it is set at DOLBY PRO LOGIC : 3 STEREO.  
Please note that there is no need to control it when the same model for other destinations are set at DOLBY PRO LOGIC : 3 STEREO.

#### 2. Cassette deck section (1) (8 ports)

IC-NO.	Pin No.	Name	I/O	Function name	Description	Remarks
(X28)IC6	4	Q1	O	A-SOL	A solenoid control	
	5	Q2	O	A-CPM	A motor control	Ref. Note 9
	6	Q3	O	B-SOL	B solenoid control	
	7	Q4	O	B-CPM	B motor control	
	14	Q5	O	R/P	B mechanism REC/PLAY change over	
	13	Q6	O	BEAT-C	Beat canceller	
	12	Q7	O	ECHO-B	Echo IC change over B	Ref. Note 5
	11	Q8	O	ECHO-A	Echo IC change over A	Ref. Note 5

- Note 5 : This terminal controls the M/J type of UD303/UD423. As for other models, it is set at Low.
- Note 9 : This port is unused when the mechanical deck has one motor.

#### 3. Cassette Deck section(2)(8 ports)

IC-NO.	Pin No.	Name	I/O	Function name	Description	Remarks
(X28)IC7	4	Q1	O	RMUTE	REC MUTE	
	5	Q2	O	D-R/P	Dolby REC/PLAY changeover	
	6	Q3	O	LMUTE	LINE MUTE	
	7	Q4	O	NR	Noise reduction changeover	
	14	Q5	O	A/B	A/B playback changeover	
	13	Q6	O	ASEL	A normal/chrome selector	
	12	Q7	O	BSEL	B normal/chrome selector	
	11	Q8	O	BIAS	BIAS on/off control	

- Note 10 : This terminal had been set at "MS" (DPSS sensitivity switching) with a TS, but had been unused. There occurred a sound leak in the FF/RWD/search mode with the TS, and it is currently controlled as a LINE MUTE terminal.

#### 4. CD section(8 ports)

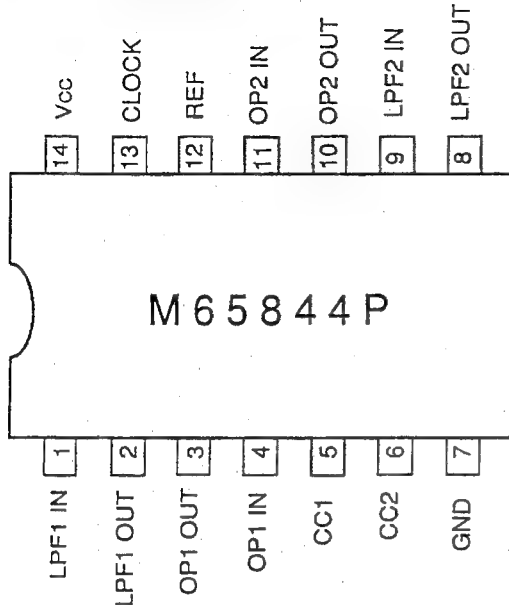
IC-NO.	Pin No.	Name	I/O	Function name	Description	Remarks
(X32)IC6	4	Q1	O	RMR	Rotary motor control	
	5	Q2	O	BRKM	Rotary motor control	
	6	Q3	O	RMF	Rotary motor control	
	7	Q4	O	LMF	Load motor control	
	14	Q5	O	DC-CNT	CD IC power supply control	
	13	Q6	O	I CRST	CD IC reset control	
	12	Q7	O	P-MON	Focus control	
	11	Q8	O	LMR	Load motor control	

# RXD-F3/F4/F41/F42

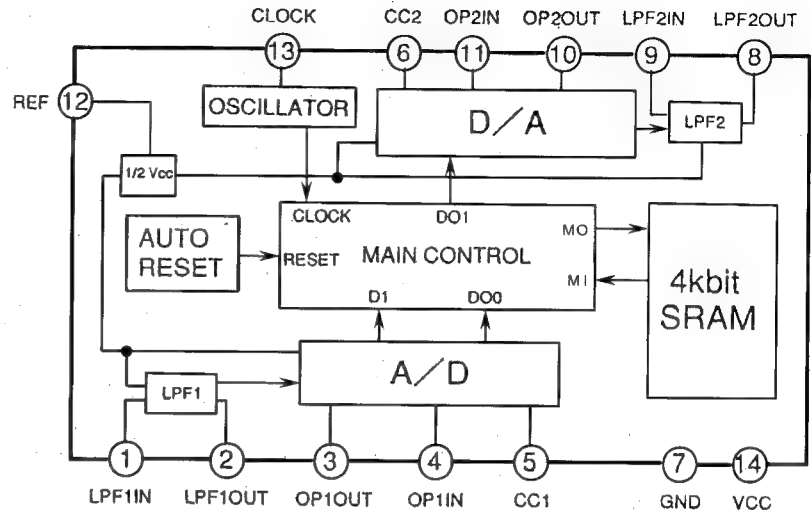
## CIRCUIT DESCRIPTION

### 5. Digital echo : M65844P (X09 : IC8)

#### 5.1 Pin Connection



#### 5.2 Block diagram



#### 5.3 Pin description

Pin No.	Name	I/O	Discription
1	LPF1 IN	I	Input side L.P.F. with outside C.R.
2	LPF1 OUT	O	
3	OP1 OUT	O	A/D converted integrator with outside C.
4	OP1 IN	I	
5	CC1	-	A/D convertor ADM control
6	CC2	-	D/A convertor ADM control
7	GND	-	GND
8	LPF2 OUT	O	Input side L.P.F. with outside C.R.
9	LPF2 IN	I	
10	OP2 OUT	O	D/A converted integrator with outside C.
11	OP2 IN	I	
12	REF	-	Analog reference voltage $\cong 1/2V_{cc}$
13	CLOCK	I	Generator(220KHz)with outside C.R.
14	Vcc	-	Power supply 4.5V ~ 5.5V(Specification)

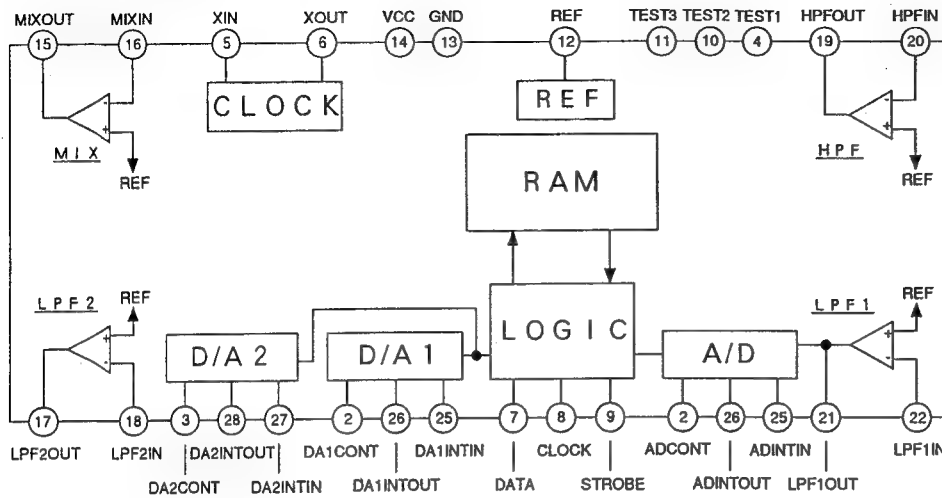


# RXD-F3/F4/F41/F42

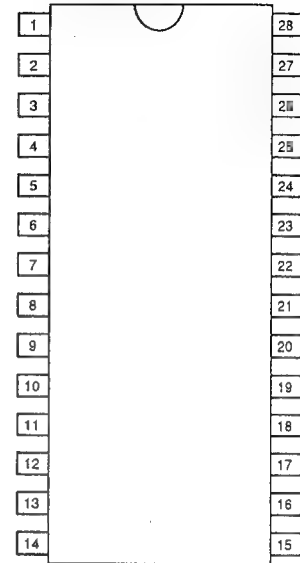
## CIRCUIT DESCRIPTION

### 6. KEY CONTROL IC : 65840SP (X11 : IC1)

#### 6.1 Block diagram



#### 6.2 Pin connection



#### 6.3 Pin description

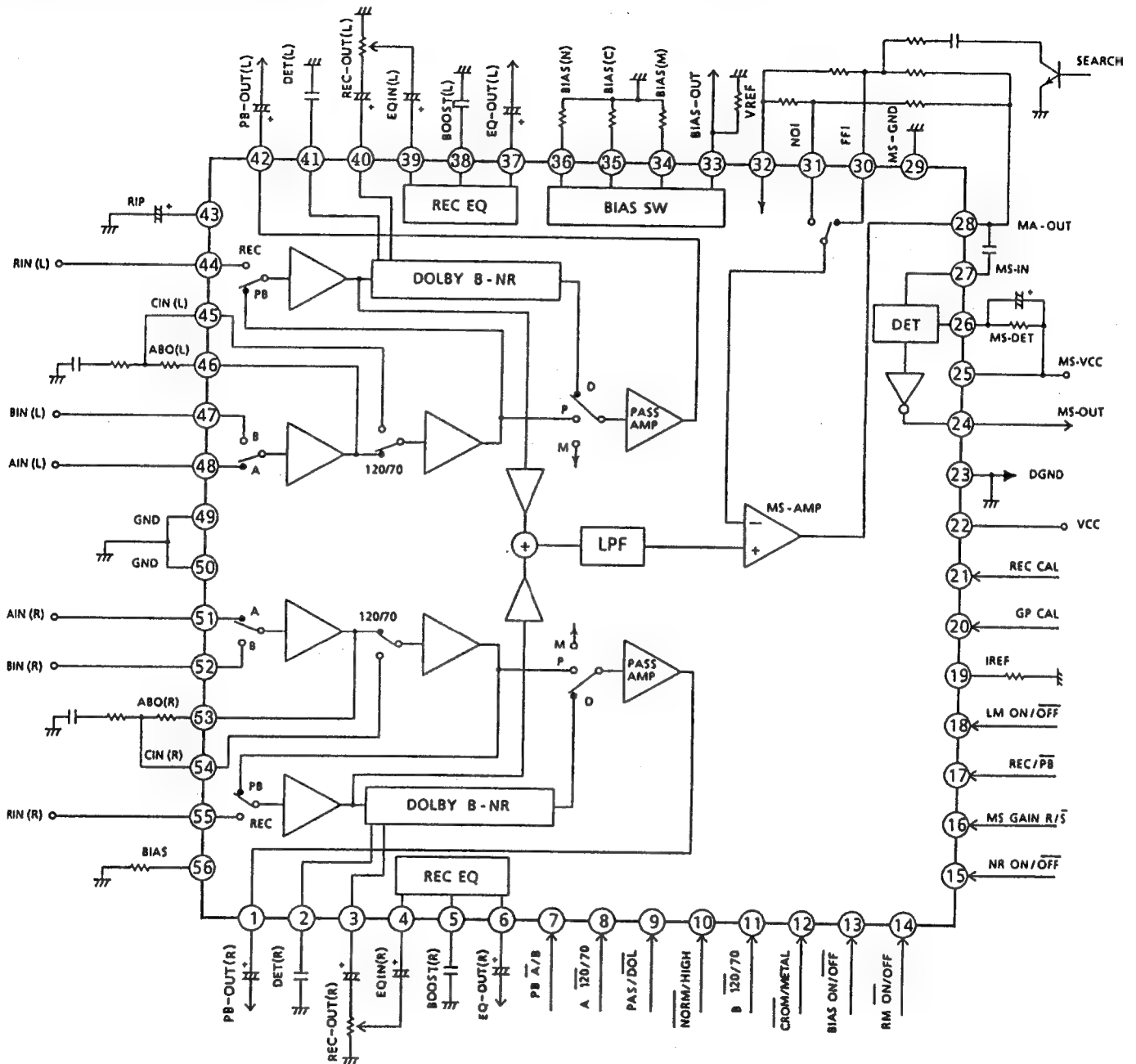
PIN NO.	NAME	I/O	DESCRIPTION
1	ADCONT	O	Decide fitness time constant of ADM system A/D convert.
2	DA1CONT	O	Decide fitness time constant of ADM system D/A1 convert.
3	DA2CONT	O	Decide fitness time constant of ADM system D/A2 convert.
4	TEST1	O	L:NORMAL mode H:TEST mode
5	XIN	I	Connect 16MHz ceramic filter.
6	XOUT	O	
7	DATA	I	Serial bus DATA input
8	CLOCK	I	Serial bus CLOCK input
9	STROBE	I	Serial bus STROBE input
10	TEST2		N.C.(Open)
11	TEST3		N.C.(Open)
12	REF		1/2Vcc output, Connect filter C.
13	GND	-	GND
14	VCC		Power supply
15	MIXOUT	O	Mix key control low signal and through high signal.
16	MIXIN	I	
17	LPF2OUT	O	Post filter after converted D/A of the key control.
18	LPF2IN	I	
19	HPFOUT	O	L.P.F. of through high signal.
20	HPFIN	I	
21	LPF1OUT	O	Pre filter before converted A/D of the key control.
22	LPF1IN	I	
23	ADINTIN	I	A/D converted integrator with outside C.
24	ADINTOUT	O	
25	DA1INTIN	I	D/A1 converted integrator with outside C.
26	DA1INTOUT	O	
27	DA2INTIN	I	D/A2 converted integrator with outside C.
28	DA2INTOUT	O	

# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

### 7. DOLBY IC : HA12182F(X28 : IC3)

#### 7.1 Block diagram/pin connection



# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

### 7.2 Pin description

Pin No.	Name	Function
1	PBOUT(R)	PB output
2	DET(R)	Decided NR time constant
3	RECOUT(R)	REC output
4	EQIN(R)	REC EQ input
5	BOOST(R)	Decide low frequency boost time constant
6	EQOUT(R)	EQ output
7	PB $\bar{A}/B$	Mode decided input
8	A120/70	Mode decided input
9	PASS/DOL	Mode decided input
10	$\overline{\text{NORM}}/\text{HIGH}$	Mode decided input
11	B120/70	Mode decided input
12	$\overline{\text{CROM}}/\text{METAL}$	Mode decided input
13	BIAS ON/ $\overline{\text{OFF}}$	Mode decided input
14	RM $\overline{\text{ON}}/\text{OFF}$	Mode decided input
15	NR ON/OFF	Mode decided input
16	MS GAIN R/ $\bar{S}$	Mode decided input
17	REC/ $\overline{\text{PB}}$	Mode decided input
18	LM ON/OFF	Mode decided input
19	IREF	EQ reference current input
20	GPCAL	GP compared terminal
21	RECCAL	REC gain compared terminal
22	Vcc	Power supply
23	D-GND	Digital in/output reference voltage
24	MSOUT	MS output(to MPU)
25	MS-Vcc	Power supply
26	MSDET	Decided MS time constant
27	MSIN	MS input
28	MAOUT	MS AMP output
29	MS-GND	GND
30	FFI	MS(FF,REW) return input
31	NOI	MS(Normal) return input
32	VREF	MS reference output
33	BIASOUT	REC bias output
34	BIAS(M)	REC bias current input
35	BIAS(C)	REC bias current input
36	BIAS(N)	REC bias current input
37	EQOUT(L)	EQ output
38	BOOST(L)	Decide low frequency boost time constant
39	EQIN(L)	REC EQ input
40	RECOUT(L)	REC output
41	DET(L)	Decided NR time constant
42	PBOUT(L)	PB output
43	RIP	Ripple filter
44	RIN(L)	REC input
45	CIN(L)	70 $\mu$ buffer input
46	ABO(L)	PB input buffer output

# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

Pin No.	Name	Function
47	BIN(L)	B deck PB input
48	AIN(L)	A deck PB input
49	GND	GND
50	GND	GND
51	AIN(R)	A deck PB input
52	BIN(R)	B deck PB input
53	ABO(R)	PB input buffer output
54	CIN(R)	70 $\mu$ buffer input
55	RIN(R)	REC input
56	BIAS	Dolby bias current input

\*MS : Music Sensor

### 7.3 HA12182F : PARALLEL-DATA

Pin NO.	Pin name	Lo	Hi
QFP- 56			
7	PB $\overline{A/B}$	A in ACTIVE *1	B in ACTIVE *1
8	$\overline{A120/70}$	*1	*1
9	PAS/ $\overline{DOL}$	DOLBY NR	PASS AMP ACTIVE
10	NORM/ HIGH	NORMAL	Hi-SPEED
11	$\overline{B120/70}$	*1 *2	*1 *2
12	CROM / METAL	*2	*2
13	BIAS ON / $\overline{OFF}$	BIAS OFF	BIAS ON
14	RM ON/ $\overline{OFF}$	EQOUT MUTE	EQOUT MUTE OFF
15	NR ON/ $\overline{OFF}$	DOLBY NR OFF	DOLBY NR ON
16	MS GAIN R/ $\overline{S}$	SEARCH	REPEAT
17	REC/ PB	PB (DECODE)	REC ( ENCODE)
18	LM ON/ $\overline{OFF}$	PBOUT MUTE OFF	PBOUT MUTE

Note) "Lo " when pin open.

#### \*1 PB EQ LOGIC

$\overline{A120/70}$	$\overline{B120/70}$	PB A/B	
		L	H
L	L	FLAT	FLAT
L	H	FLAT	70y
H	L	70 $\mu$	FLAT
H	H	70 $\mu$	70 $\mu$

#### \*2 REC BIAS LOGIC

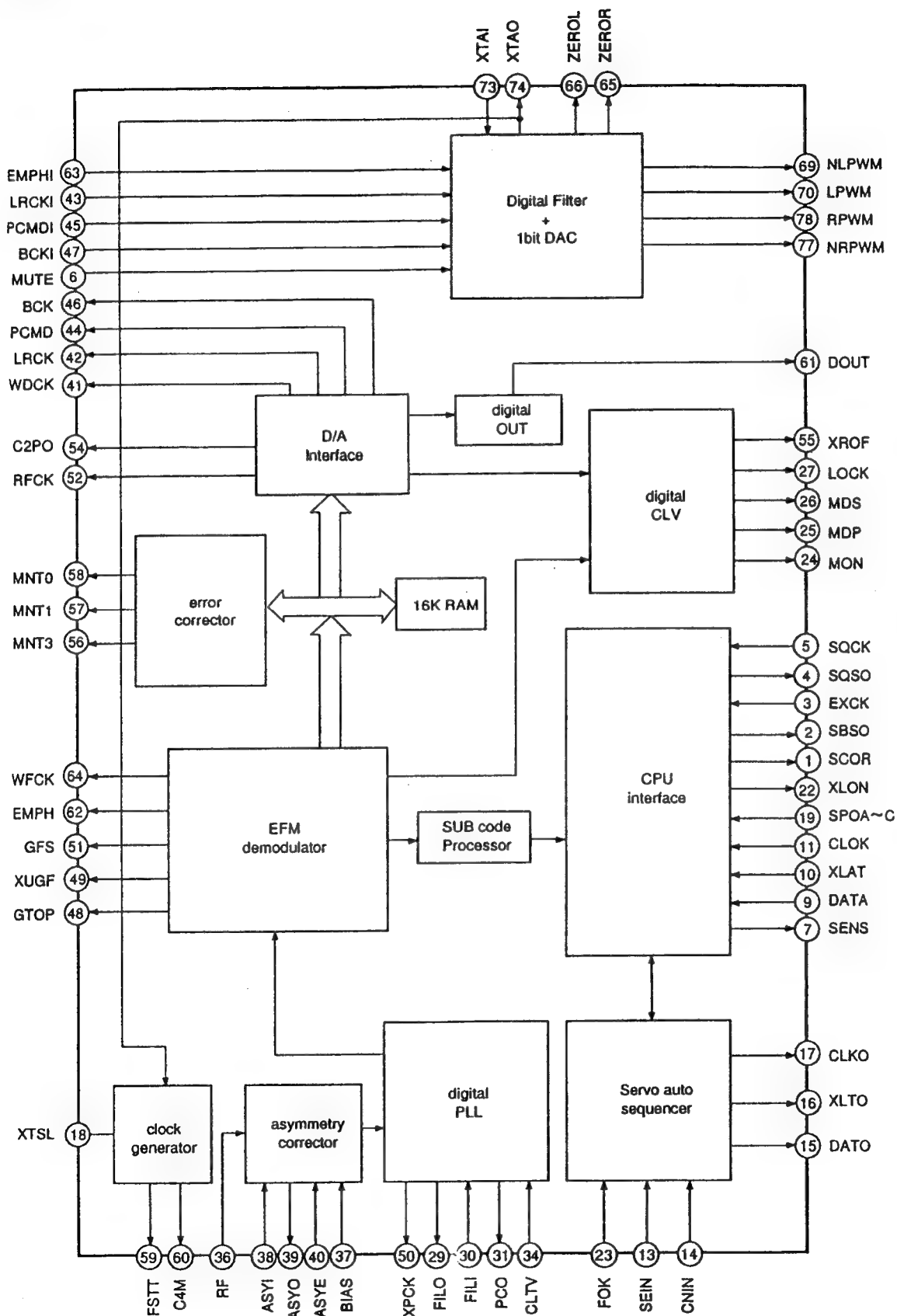
		CROM / METAL	
		L	H
$\overline{B120/70}$	L	NORMAL (I)	NORMAL ( I )
	H	CROM (II)	METAL(IV)

# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

### 8. CD DSP : CXD2508AQ (X32 : IC2)

#### 8.1 Pin connection





# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

### 8.2 Pin description

Pin NO. Q	Name	I/O	Description
1	SCOR	O	Sub code sink output H : Detected S0 or S1
2	SBSO	O	SUBP ~ W serial output
3	EXCK	I	SBSO read out clock input
4	SQSO	O	SUBQ80BIT serial output
5	SQCK	I	SQSO read out clock input
6	MUTE	I	H : ON, L : OFF
7	SENS	O	SENS output, output to CPU
8	XRST	I	System reset, L : RESET
9	DATA	I	Serial data input from CPU
10	XLAT	I	Latch input from CPU, Latched serial data on falling edge
11	CLOCK	I	Serial data transmission clock input from CPU
12	Vss		GND
13	SEIN	I	Sense input from SSP
14	CNIN	I	Track jump Q'ty count signal input
15	DATO	O	Serial data output to SSP
16	XLTO	O	Serial data latch output for SSP, Latched on falling edge.
17	CLKO	O	Serial data transmission clock output to SSP.
18	SPOA	I	Expander $\mu$ -Com interface(Input A)
19	SPOB	I	Expander $\mu$ -Com interface(Input B)
20	SPOC	I	Expander $\mu$ -Com interface(Input C)
21	XTSL	I	Selected Xtal input, L : 16.9344MHz H : 33.8688MHz
22	XLON	O	$\mu$ -Com expander interface(Output)
23	FOK	I	Focus OK input. Use SENS output and servo auto sequencer.
24	MON	O	Spindle motor ON/OFF control output
25	MDP	O	Spindle motor servo control
26	MDS	O	Spindle motor servo control
27	LOCK	O	Sampling 460Hz on GES, GFS H : H 8Times L : L
28	TEST	I	TEST terminal, normal use GND.
29	FILO	O	Master PLL(Slave = Digital PLL) filter output.
30	FILI	I	Master PLL filter input
31	PCO	O	Master PLL charge pump output.
32	VDD		DSP digital power supply
33	AVss1		DSP analog power GND
34	CLTV	I	Master PLL VCO control voltage input.
35	AVDDI		DSP analog power supply
36	RF	I	EFM signal input
37	BIAS	I	Asymmetry revision circuit fixed current input.
38	ASYI	I	Asymmetry revision circuit comparator voltage input.
39	ASYO	O	EFM full swing output L =Vss, H = VDD
40	ASYE	I	L:Asymmetry revision OFF, H: Asymmetry revision ON
41	WDCK	O	48bit slot D/A interface, world clock(2FS)
42	LRCK	O	48bit slot D/A interface LR clock(FS)
43	LRCKI	I	LR clock input(48bit slot) for DAC
44	PCMD	O	D/A interface, serial data(2'SCOMP,MSB first)
45	PCMDI	I	Audio data input(48bit slot ) for DAC

# RXD-F3/F4/F41/F42

## CIRCUIT DESCRIPTION

Pin NO. Q	Name	I/O	Description
46	BCK	O	D/A interface, bit clock
47	BCKI	I	Bit clock input(48bit slot ) for DAC
48	GTOP	O	GTOP output
49	XUGF	O	XUGF output
50	XPCK	O	XPLCK output
51	GFS	O	GFS output
52	RFCK	O	RFCK output
53	Vss		GND
54	C2PO	O	C2PO output
55	XROF	O	XRAOF output
56	MNT3	O	MNT3 output
57	MNT 1	O	MNT1 output
58	MNT0	O	MNT0 output
59	FSTT	O	Output 2/3 divided f of 33,8688MHz
60	C4M	O	4.2336MHz output
61	DOUT	O	Digital output
62	EMPH	O	CD Emphasis H : EX1ST L : Non
63	EMPHI	I	DAC demphasis ON/OFF, H : ON, L : OFF
64	WFCK	O	WRITE FRAME CLOCK output
65	ZEROL	O	No sound data detected output, H : No sound(Lch)
66	ZEROR	O	No sound data detected output, H : No sound(Rch)
67	DTS 1	I	DAC test terminal 1, normal L
68	VDD		DAC Digital power supply
69	NLPWM	O	Lch PWM output(Reverse phase)
70	LPWM	O	Lch PWM output(Normal phase)
71	AVDD2		PWM driver power supply
72	AVDD3		Xtal power supply
73	XTAI	I	33.8688MHz Xtal OSC input
74	XTAO	O	33.8688MHz Xtal OSC output
75	AVss3		Xtal GND
76	AVss2		PWM driver GND
77	NRPWM	O	Rch PWM output(Reverse phase)
78	RPWM	O	Rch PWM output(Normal phase)
79	DTS2	I	DAC test terminal 2, normal L
80	DTS 3	I	DAC test terminal 3, normal L

### NOTES:

- "PCMD" is 2-S complementary output of "MSB First."
- "GTOP" is used to monitor the protective conditions of FrameSync (where "H" indicates "Sync protective window open" ).
- "XUGF" is a FrameSync obtained from the EFM signal, which is a negative pulse. This is a signal before Sync protection.
- "XPLICK" means to reverse the EFM PLL clock. The PLL is designed to match the falling edge with the changing point of the EFM signal.
- "GFS signal" is a signal that causes "H" when the FrameSync is matched with interpolation protective timing.
- "RFCK" is a 136-  $\mu$ sec. cycle signal that can be obtained at Xtal accuracy.
- "C2PO" is a signal that indicates the error status of the data.
- "XRAOF" is a signal that occurs when the 16K RAM exceeds the jitter margin of  $\pm 4F$ .

# RXD-F3/F4/F41/F42

## ADJUSTMENT

### CD section

No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	LASER POWER	-	Set the sensor section of the optical power meter on the pickup lens.	Press CD key and turn the power on to enter the test mode. Press the "REPEAT" key to check that the display is "03".	-	On the power from 0.05 to 0.15mW. when the diffraction grating is correctly aligned with the RF level of 0.8Vp-p or more	(a)
2	TRACKING ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1 : RF (CN2-1) CH2 : TE (CN2-6)	Load disc and set to test mode. Confirm the display is "03".	TE BALANCE VR3	Symmetry between upper and lower or $DC=0\pm0.05V$	
3	FOCUS ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1 : RF (CN2-1) CH2 : TE (CN2-6)	Press the PLAY key. Confirm that the display is "05"	FE BALANCE VR4	Optimum eye pattern	
4	TRACKING GAIN	Test disc Type 4 Apply signal of 1.0kHz, 50mVrms to CN2 pin 5-6.	Connect a LPF to CN2 pin 5-6 to which connect an oscilloscope or AC voltmeters.	Press the PLAY key. Confirm that the display is "05"	TRACKING GAIN VR1	Two VTVMs should read the same value.	(e)

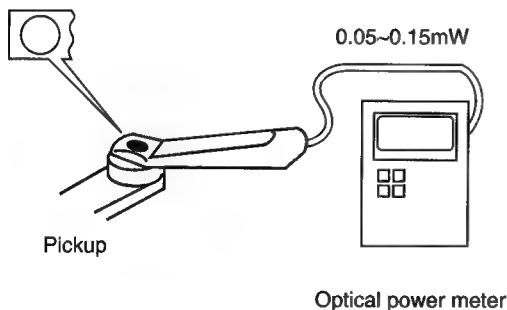
Note:

Type 4 disc : SONY YEDS-18 Test Disc or equivalent.

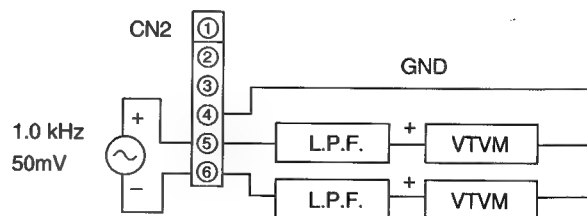
LPF : Around  $47k\Omega + 390pF$  or so.

Step 1 ~ 5 are in Test Mode.

(a) Laser Power



(e) Tracking Gain Adj.



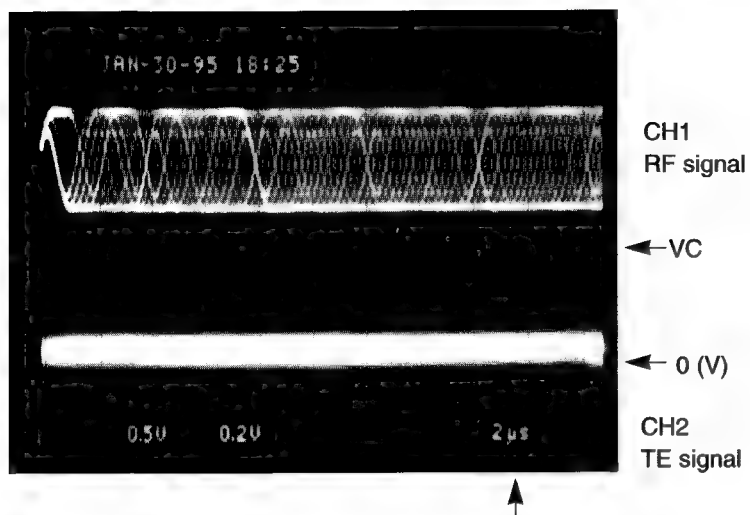
CD test mode input method : While depressing the CD key, plug the power cord into an AC power outlet.

NO.	KEY	OPERATION	TRACK NO. DISPLAY
1	PLAY	Clamp DISC 1 1. FOCUS SERVO .....ON 2. TRACKING SERVO .....ON 3. FEED SERVO .....ON	05
2	REPEAT	1. FOCUS SERVO .....ON 2. TRACKING SERVO .....OFF 3. FEED SERVO .....OFF	03
3	DISC1	PLAY T NO.16	16
4	STOP	STOP	01
5	DISC2	SELECTED DISC1, SHIPMENT POSITION.	---

# RXD-F3/F4/F41/F42

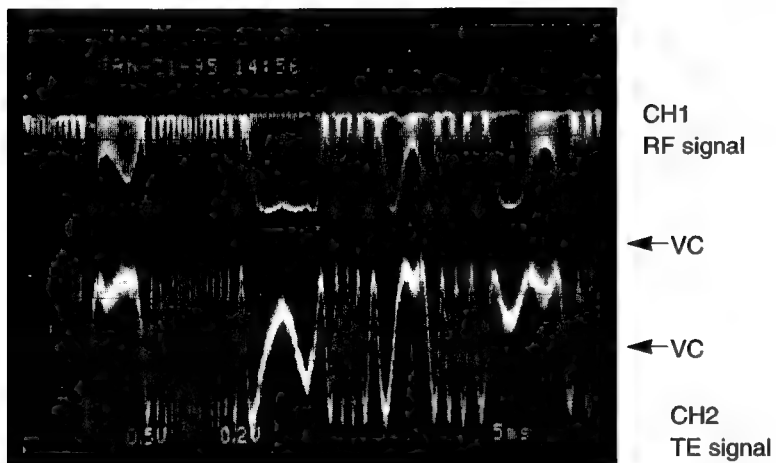
## ADJUSTMENT

FIG. (b)



● RF signal and TE signal in test mode (PLAY).

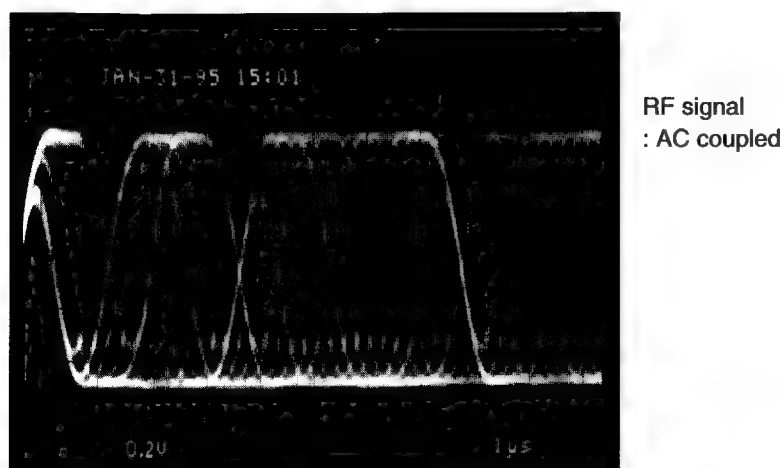
FIG. (c)



● RF signal and TE signal in test mode (Focusing servo ON / Tracking servo OFF). (Disc Type 4)

● Adjust TE signal so that the waveform is symmetrical in relation to VC. VR 3 (TE BALANCE)

FIG. (d)



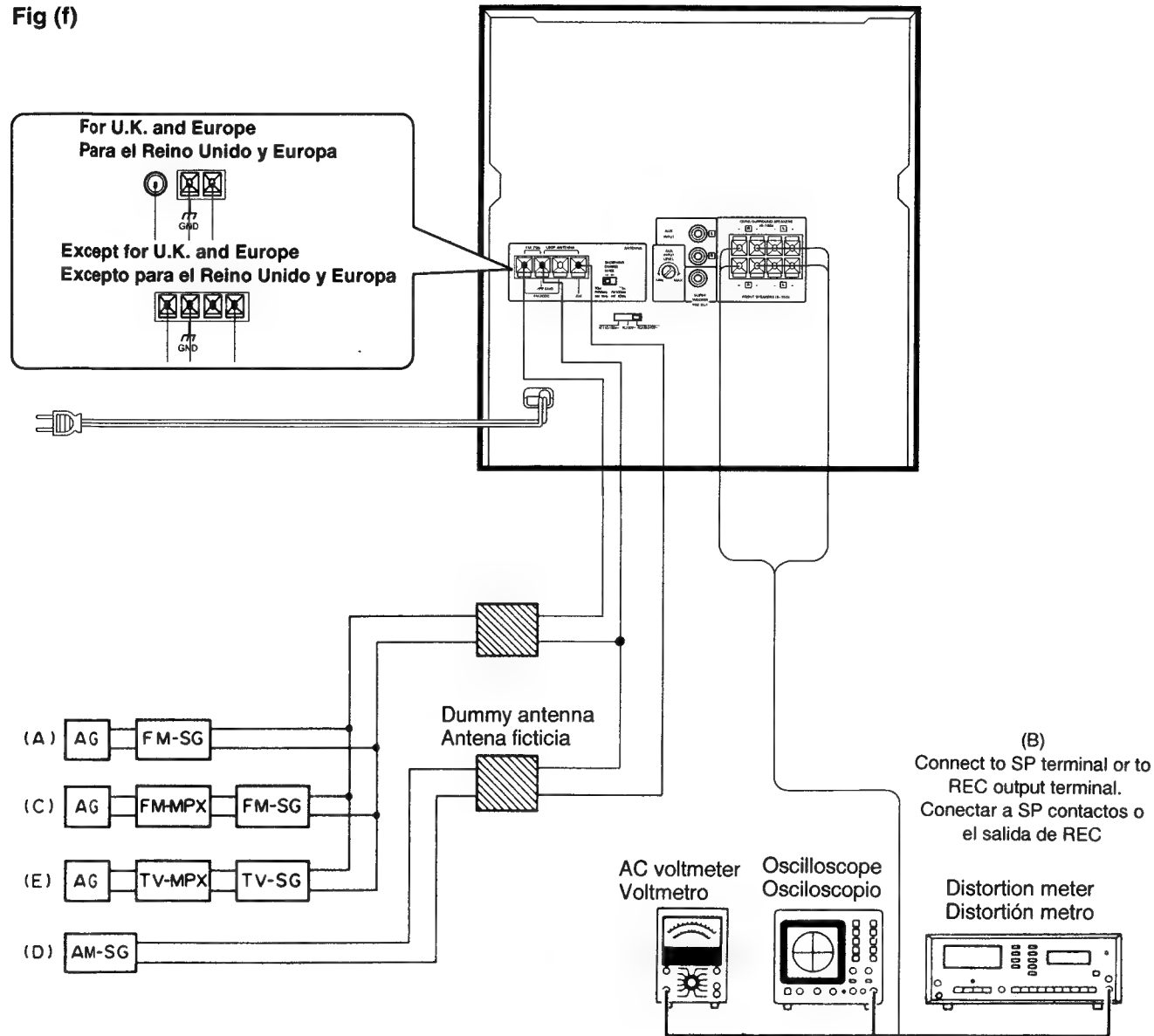
● RF signal in test mode (PLAY).

● Perform the tangential and focusing offset are focused into one point on the display. The crossing points above and below the center shall also be looked clearly.

# RXD-F3/F4/F41/F42

## ADJUSTMENT

**Fig (f)**



REC output : for X28 L ch, connect CN 5 pin 1 ;  
for X28 R ch, connect CN5 pin 4.

Salida de REC : X28 canal izp., Conectar CN 5  
contactos n<sup>o</sup> 1 a masa.  
X28 canal dch., Conectar CN 5  
contactos n<sup>o</sup> 4 a masa.

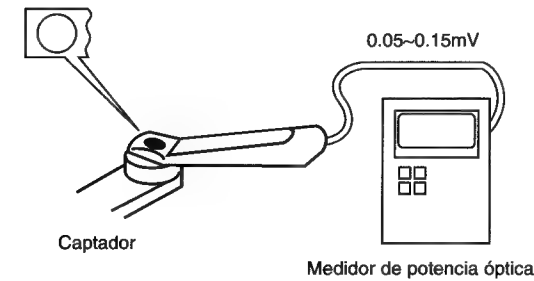
# RXD-F3/F4/F41/F42

## AJUSTES

**CD sección**

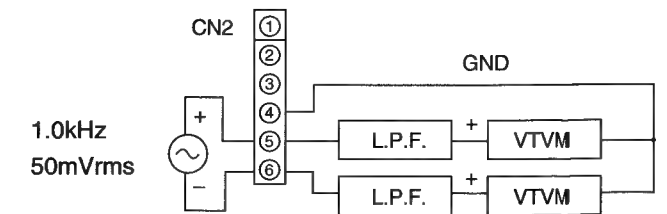
No.	ITEM	AJUSTE DE ENTRADA	AJUSTE DE SALIDA	AJUSTE DE REPRODUCUTOR	PUNTO DE ALINEACIÓN	ALINEAR PARA	FIG.
1	FUERZA LASER	-	Ajuste la sección de sensor sobre el medidor de potencia óptica sobre el lente de captación.	Cortocircuite las espigas TEST y conectar la fuerza para entrar al modo de prueba. Oprima el botón "REPEAT" para revisar que el visualizador esté en "03"	-	Sobre la fuerza de 0.05 a 0.15mW, cuando la rejilla de difracción está correctamente alineada con el nivel de RF de 1.0Vp-p o mayor.	(a)
2	EQUILIBRIO DE ERROR DE RASTREO	Disco de prueba Tipo 4	Conecta un osciloscopio como sigue: CH1 : RF(CN2-1) CH2 : TE(CN2-6)	Cargue disco y ponga al modo de prueba. Confirme que el visualizador está en "03"	EQUILIBRIO DE TE VR 3	Simetría entre superior e inferior, ó CC = 0±0.05V	
3	EQUILIBRIO DE ERROR DE POCO	Disco de prueba Tipo 4	Conecte un osciloscopio como sigue: CH1 : RF(CN2-1) CH2 : TE(CN2-6)	Oprima el botón PLAY. Confirme que el visualizador está en "03".	EQUILIBRIO DE FE VR 4	Optimice el patrón de ojo.	
4	GANANCIA DE RASTREO	Disco de prueba Tipo 4 Aplique la señal de 1.0 kHz, 50mVrms a espigas 5-6 de CH.	Conecte un LPF a espigas 5-6 de CH, a que conecte un osciloscopio o voltímetro de CA.	Oprima el botón PLAY. Confirme que el visualizador está en "05".	GANANCIA DE RASTREO VR1	Dos VTVMs deberán indicar el mismo valor.	(e)

**(a) Fuerza de Láser**



**(e) Ajuste de Ganancia de Rastreo**

**Ajuste de ganancia de rastreo.**



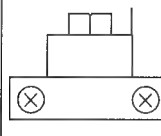
**Ajuste del Modo de Prueba:** insertar la clavija AC en la salida de CA presionando el botón CD.

NO.	Botón	Función	indicación NO. Pista
1	PLAY	Fijar el Disco 1 1. FOCUS SERVO .....ON 2. TRACKING SERVO .....ON 3. FEED SERVO .....ON	05
2	REPEAT	1. FOCUS SERVO .....ON 2. TRACKING SERVO.....OFF 3. FEED SERVO.....OFF	03
3	DISC1	Se inicia el PLAY a partir del Tno. 16	16
4	STOP	.Parada	01
5	DISC2	Seleccionar el Disco 1 para ponerlo en el estado de despacho	—

# RXD-F3/F4/F41/F42

## ADJUSTMENT

### Cassette Deck section

No	ITEM	INPUT SETTING	OUTPUT SETTING	DECK SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
Unless otherwise specified, set the respective switches as follows: 0dBs=0.775V TAPE : NORMAL DOLBY : OFF REC OUT : Lch (X28,CN5 ①pin), Rch (X28,CN5 ④pin) I. Cassette mechanism unit (Adjustment of the REC / PLAY head)							
①	Demagnetization and cleaning	—	—	Power : OFF Demagnetization, cleaning, PLAY	Recording head, erase head, capstan pinch roller	Demagnetize the REC / PLAY head with the head eraser. Clean the REC / PLAY head, erase head, capstan and pinch roller using a cotton swab slightly damped with alcohol.	
②	Azimuth of the REC/PLAY head	SCC-1727 TCC-153 MTT-114 10kHz, -10dB	(B)	PLAY	 FWD RVS	Adjust the output to maximum and adjust the azimuth adjustment screw for the Lissajours waveform pattern of the oscilloscope to become close to a 45° straight line.	
II. PC BOARD ADJUSTMENT							
①	TAPE SPEED(NORMAL)	TCC-110 MTT-111 SCC-1727 3kHz	(B)	PLAY	VR52	Adjust the tape speed so that 3kHz is obtained at the center of the tape.	
III. PC BOARD ADJUSTMENT							
①	PLAYBACK LEVEL	MTT-150 400Hz	(B)	PLAY	A DECK VR 1(L) VR 2 (R) B DECK VR 3 (L) VR 4 (R)	Adjust the playback output to -2.0dBs	
		MTT-256, SCC-1727 315Hz				Adjust the playback output to -6.0dBs	
		MTT-256U, TCC-160 315Hz				Adjust the playback output to -3.0dBs	
②	BIAS CURRENT	Adjust the AG for the output of the DECK to become 400Hz -23dBs. 400Hz/12.5kHz, (AC-223)	(B)	REC ↑ PLAY	VR7(L) VR8(R)	Record 400Hz and 12.5kHz alternately, and adjust the bias current adjustment potentiometer for the playback levels to become the +3dB.	

# RXD-F3/F4/F41/F42

## ADJUSTMENT

### TUNER section

K.P.M.X.R, I Type (X09-)

No.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION BAND : FM							
1	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±68.25 kHz dev Pilot : ±7.5kHz dev 60 dBμ(Ant input)	(B)	AUTO 98.0MHz	IFT (W02-)	Minimum distortion.	(f)

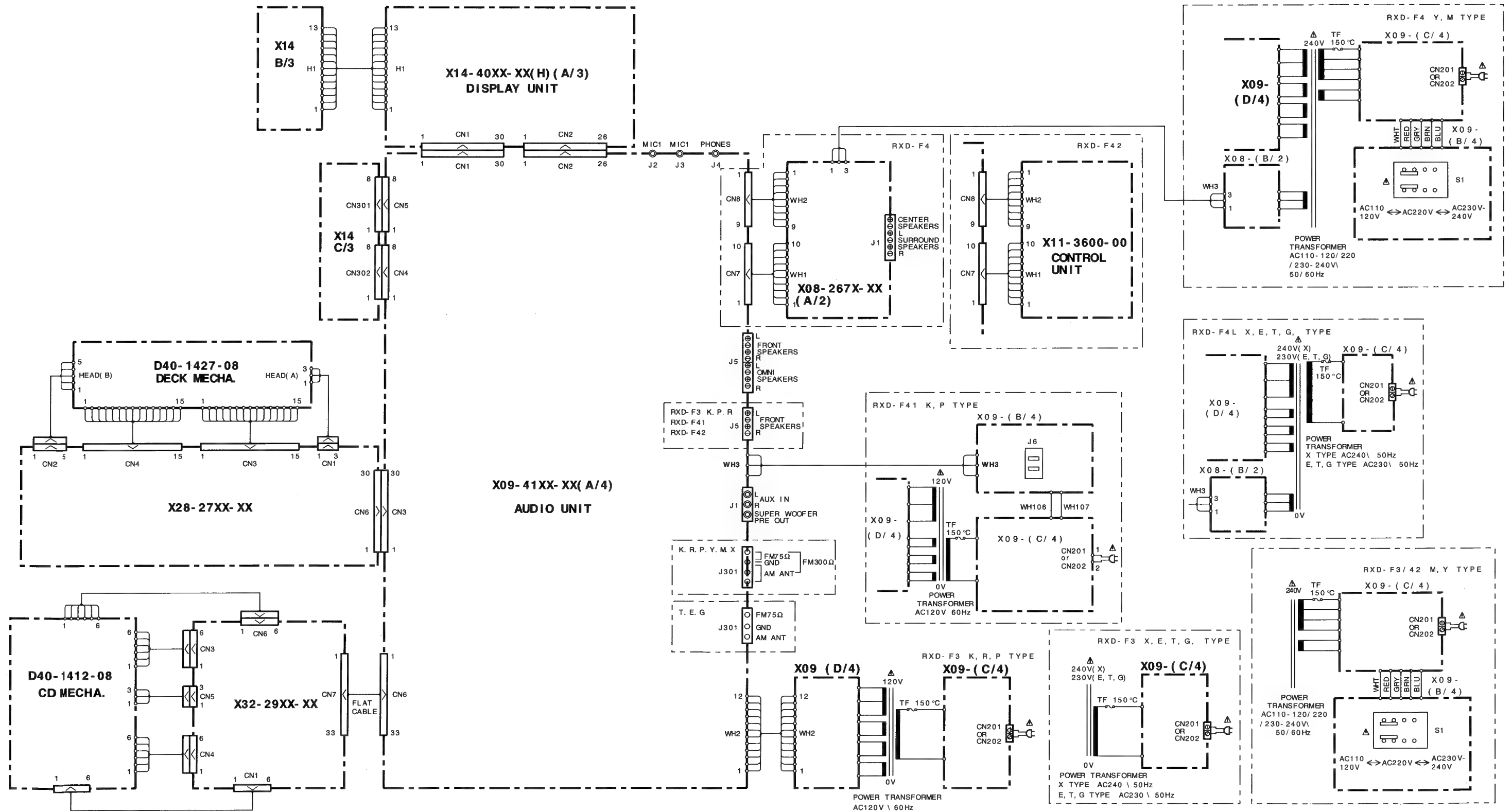
### E.T.G Type (X09-)

No.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION BAND : FM							
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±75 kHz dev 60 dBμ(Ant input)	Connect a DC voltmeter between TP303 and TP304. (X09-)	AUTO or MONO 98.0MHz	L3 (X09-)	0V	(f)
2	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±68.25 kHz dev Pilot : ±7.5kHz dev 60 dBμ(Ant input)	(B)	AUTO 98.0MHz	IFT (W02-)	Minimum distortion.	(f)



# RXD-F3/F4/F41/F42 RXD-F3/F4/F41/F42

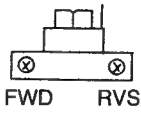
## WIRING DAIGRAM



# RXD-F3/F4/F41/F42

## AJUSTES

### Cassette Deck sección

Orden	Ítem	Ajuste de entrada	Ajuste de salida	Ajuste de la Deck	Puntos de ajuste	Método de ajuste	Fig.
<b>A menos que se indique lo contrario, ajustar los interruptores respectivos de la manera siguiente:</b> <b>TAPE: NORMAL    DOLBY: OFF    INPUT: AUX    REC OUT : IZQ. (X28, CN5 ① PIN), DCH. (X28, CN5 ④ PIN)</b> <b>I. Sección del mecanismo de la cassette (ajuste de la cabeza de grabación/reproducción)</b>							
1	Desmagnetización y limpieza	—	—	Alimentación: apagado, desmagnetización, limpieza, reproducción	Cabezas de grabación, cabezas de borrado, ejes de arrastre, rodillos presores	Desmagnetizar las cabezas de grabación/reproducción con un borrador de cabezas. Limpiar las cabezas de grabación/reproducción, cabezas de borrado, ejes de arrastre y rodillos presores con un bastoncillo de algodón humedecido en alcohol.	
2	Acimut de la cabeza de grabación/reproducción	SCC-1727, TCC-153, MTT-144, 10kHz, -10dBs	(B)	REPRODUCCIÓN (PLAY)		Maximizar la salida y ajustar de manera que la forma de Lissajous se aproxime a una línea inclinada 45°	
<b>II. Ajuste de la tarjeta de circuito impreso</b>							
1	Velocidad de la cinta (normal)	SCC-1727, TCC-110, MTT-111, 3kHz	(B)	REPRODUCCIÓN (PLAY)	VR52	Ajustar de manera que la frecuencia sea de 3 kHz en el centro de la cinta.	
<b>III. Ajuste de la tarjeta de circuito impreso (X28-2620-00)</b>							
1	Nivel de reproducción	MTT-150 400Hz	(B)	REPRODUCCIÓN (PLAY)	PLATINA A: VR 1 (IZQ.) VR 2 (DCH.) PLATINA B: VR3 (IZQ.) VR4 (DCH.)	Nivel de salida : -2.0 dB	
		MTT-256, SCC-1727 315Hz				Nivel de salida : -6.0 dB	
		MTT-256, TCC-160 315Hz				Nivel de salida : -3.0 dB	
2	Corriente de polarización	Ajustar el AG de tal manera que la salida del chasis sea de -23 dBs en 400 Hz.	(B)	GRABACIÓN (REC) ↔ REPRODUCCIÓN (PLAY)	PLATINA B: VR7 (IZQ.) VR8 (DCH.)	Hacer la grabación en forma alterna en 400 Hz y 12.5 kHz, y ajustar el volumen de regulación de corriente de polarización de tal manera que el nivel de reproducción en 12.5 kHz sea mayor por +3dB que en caso de 400Hz.	

# RXD-F3/F4/F41/F42

## AJUSTES

### TUNER sección

Tipo M.X.R, I (X09-)

No	ITEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE CALIBRACIÓN	CALIBRA R EN	FIG.
<b>SECCIÓN DE FM</b>		<b>BANDA: FM</b>					
1	DISTORSIÓN (ESTÉREO)	(C) 98,0 MHz 1 kHz, ±68,25 kHz desv. Piloto: ±7,5 kHz desv. 60 dBμ (entrada ANT)	(B)	AUTO 98,0 Mhz	IFT (W02-)	Distorsión mínima	(f)

Tipo E.T.G (X09-)

No	ITEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE CALIBRACIÓN	CALIBRA R EN	FIG.
<b>FM SECTION</b>		<b>BAND : FM</b>					
1	DISCRIMINADOR	(A) 98,0 MHz 1 kHz, ±75 kHz desv. 60 dBμ (entrada ANT)	Conectar un voltímetro de CC entre TP 303 y TP304. (X05-)	AUTO o MONO 98,0 MHz	L307 (X09-)	0V	(f)
2	DISTORSIÓN (ESTÉREO)	(C) 98,0 MHz 1 kHz, ±68,25 kHz desv. Piloto: ±7,5 kHz desv. 60 dBm (entrada ANT)	(B)	AUTO 98,0 MHz	IFT (W02-)	Distorsión mínima	(f)





2



4

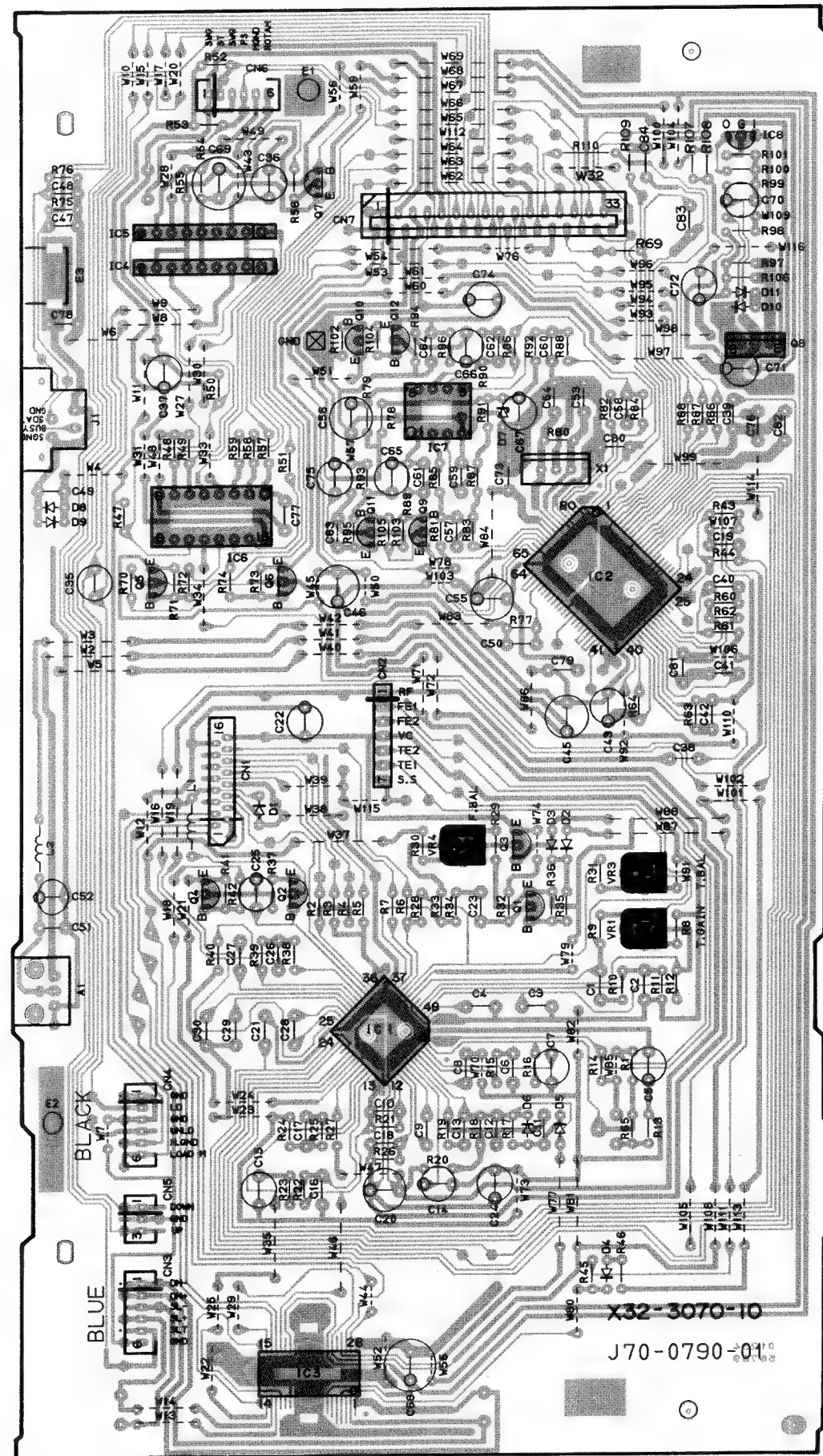


FRONT

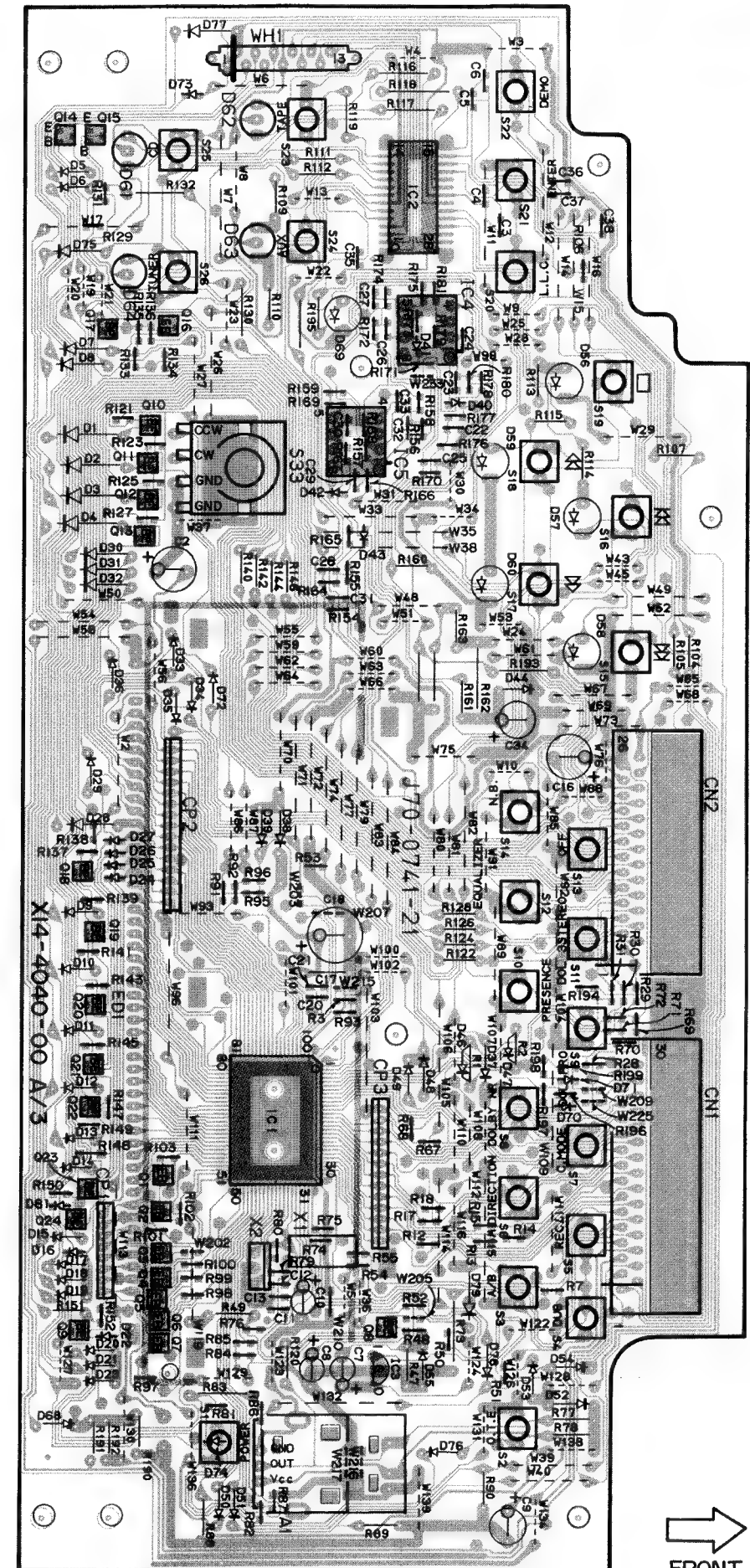
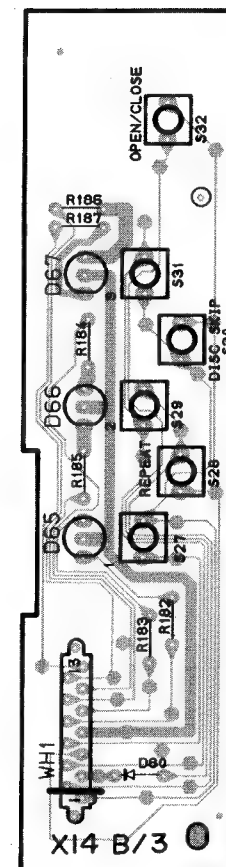
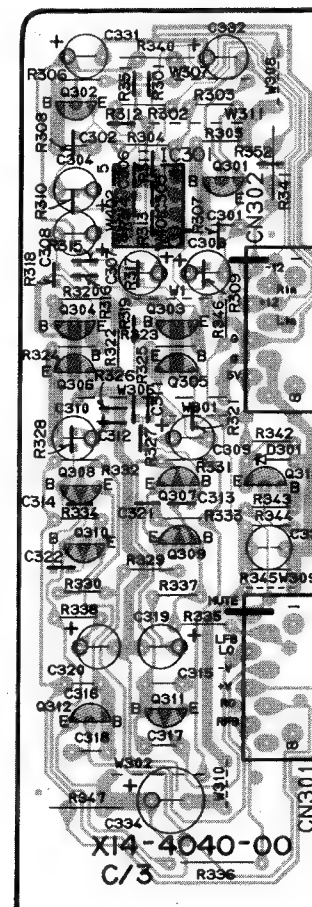
FRONT



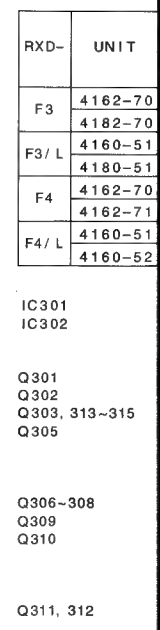
PC BOARD(COMPONENT SIDE VIEW)  
CD PLAYER UNIT(X32-)



DISPLAY UNIT(X14-)



Refer to the schematic diagram for the value of resistors and capacitors.

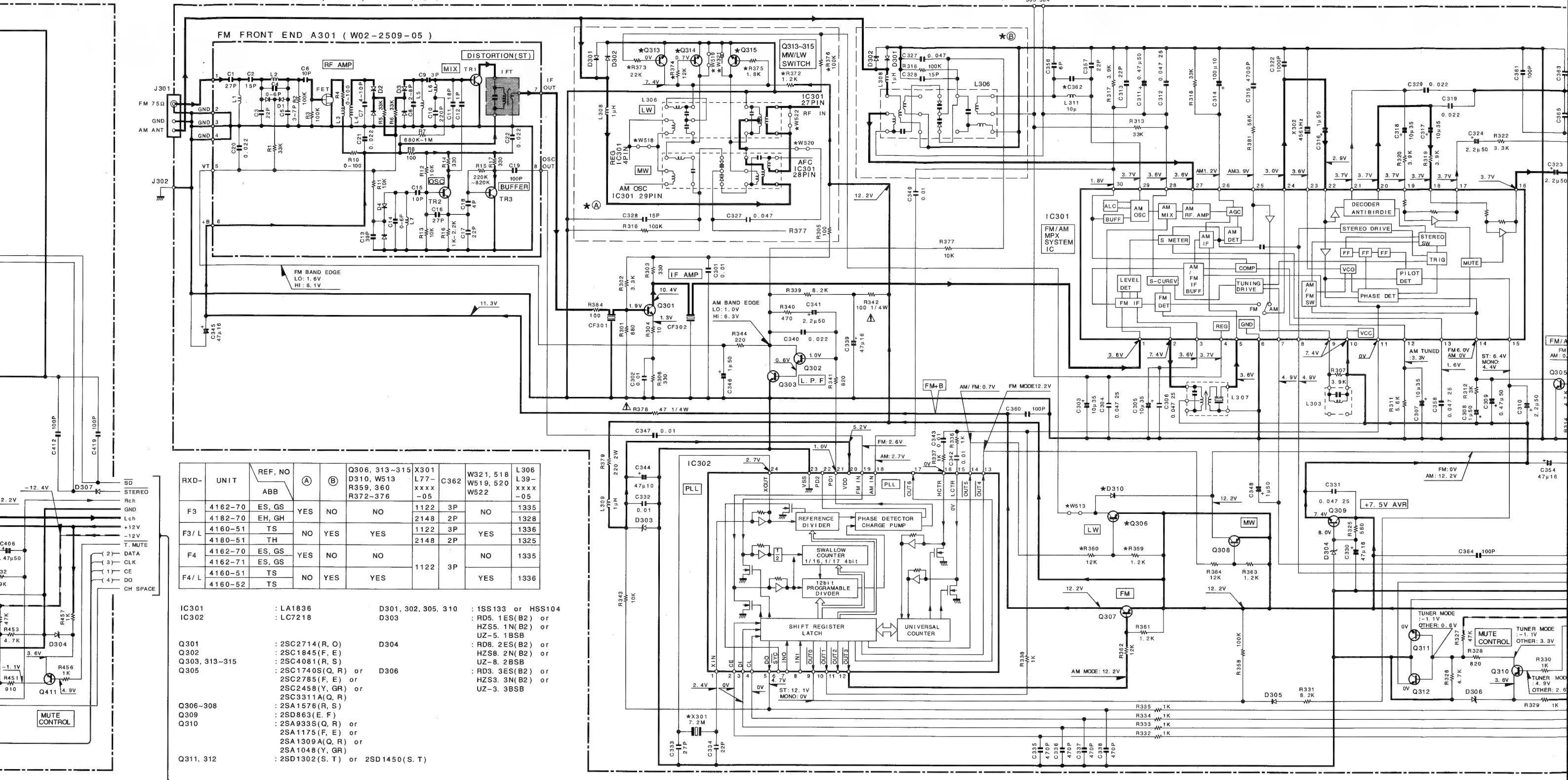


(NOTE) The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below.

The measurement value may vary depending on the measuring instruments used or on the product. the value shown in ( ) is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1KHz	STEREO 67.5KHz 7.5KHz(Pilot)	60dB
AM	1000(999)KHz	400Hz	MONO 30% MOD	60dB





	ANT INPUT
(lot)	60dB
	60dB

2SA1534A  
2SA954  
2SA992  
2SC1845  
2SC1923  
2SC2003  
2SC2878

2SC3246  
2SC3940A  
2SD1302  
2SD863

2SB1565

2SB1565  
2SB1624  
2SD2493

2SA1175  
2SC2785

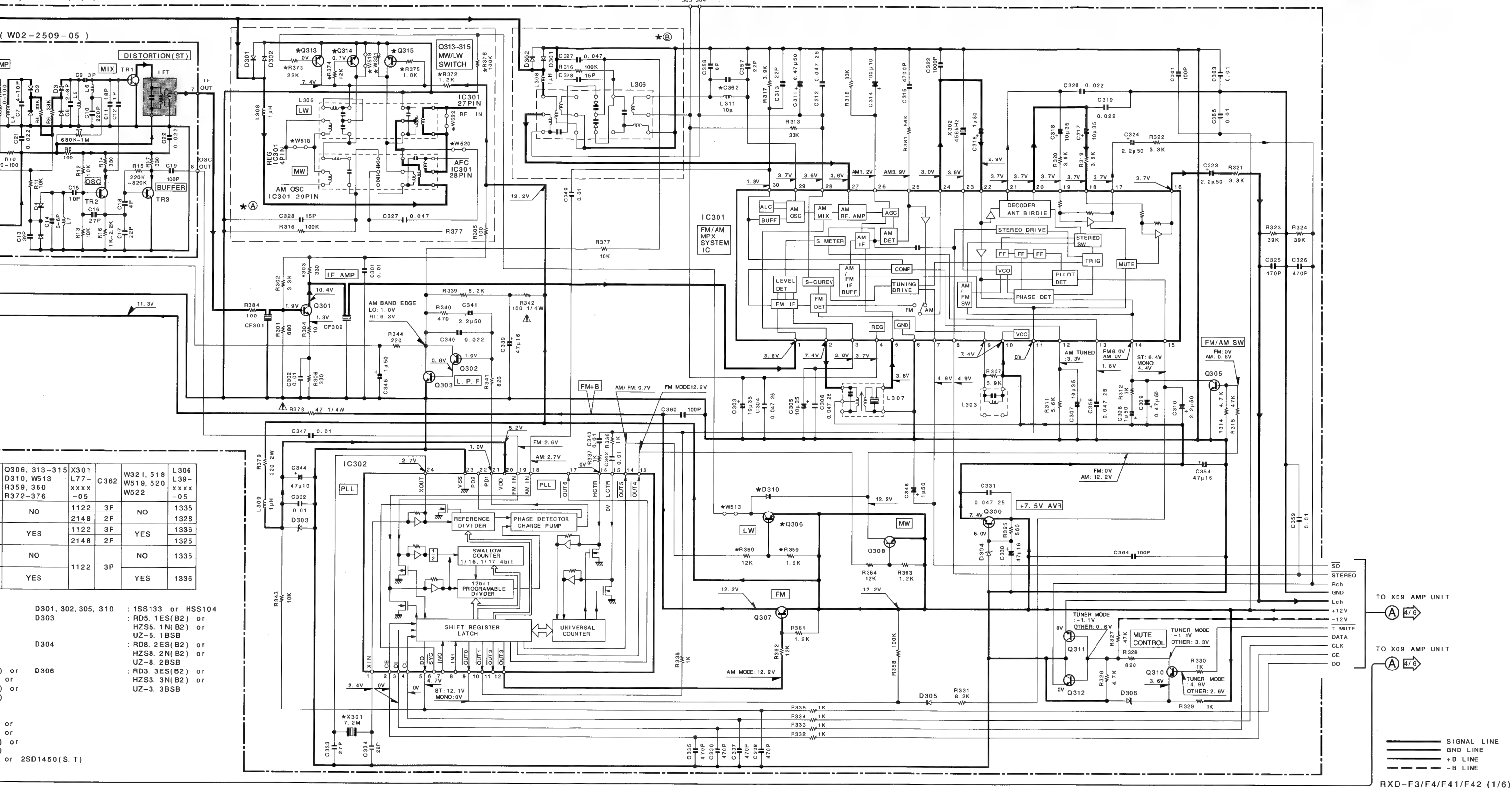
DTA124ES  
DTC124ES  
UN4112  
2SA1048  
2SA933S  
2SC1740S  
2SC2458

DTC124EU  
2SA1037K  
2SA1576  
2SC2412K  
2SC2714  
2SC4081  
2SD1757K

2SC4137

2SB1370  
2SD2061

(W02-2509-05)



SC3246  
SC3940A  
SD1302  
SD863

2SB1565

2SB1565  
2SB1624  
2SD2493

2SA1175  
2SC2785

DTA124ES  
DTC124ES  
UN4112  
2SA1048  
2SA933S  
2SC1740S  
2SC2458

DTC124EU  
2SA1037K  
2SA1576  
2SC2412K  
2SC2714  
2SC4081  
2SD1757K

2SC4137

2SB1370  
2SD2061

Y39-2130-11

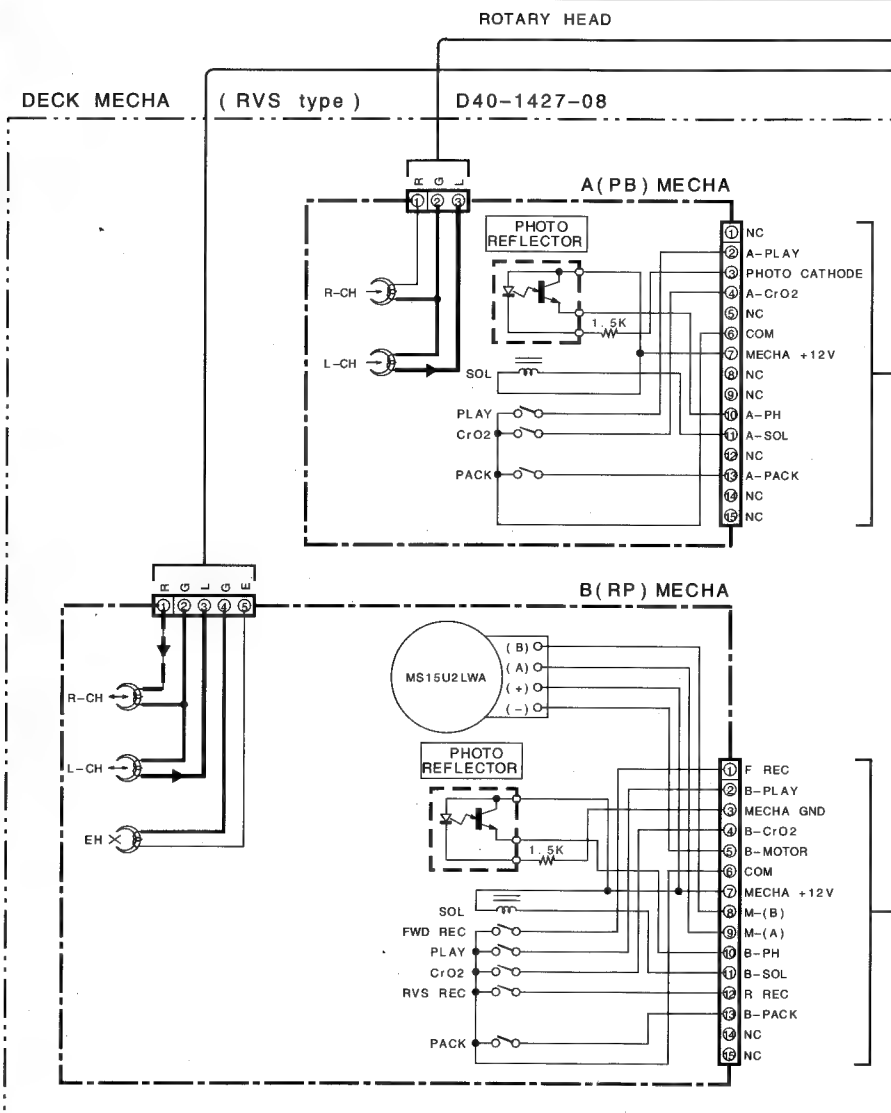
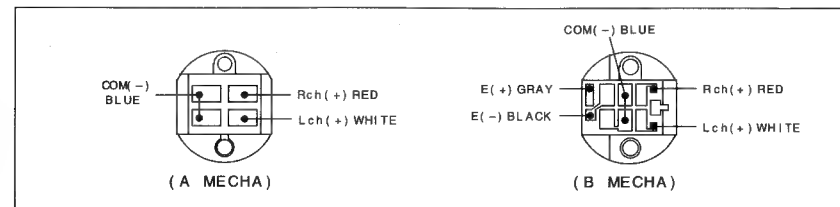
RXD-F3/F4/F41/F42

KENWOOD

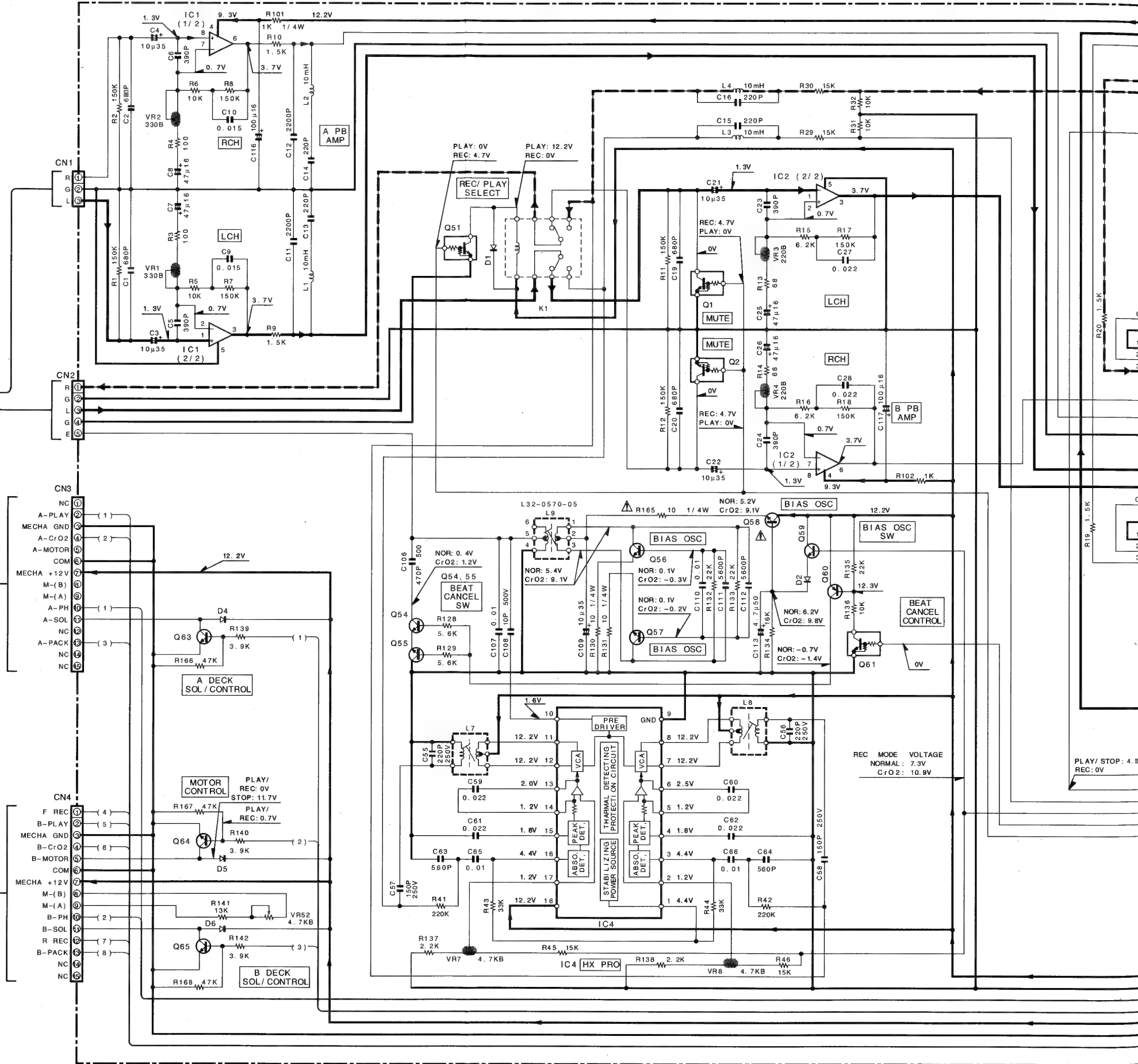
MODEL NAME	X28-27	ABB
F3	40-00	KW, RW, PW, MW, XW KS, RS, PS, MS, XS
F4, F41, F42		YW, MW, XW YS, MS, XS
F3	42-71	TW, EW, GW TS, ES, GS
F4, F41, F42		KH, RH, PH, MH, XH
F3	50-00	TH, EH, GH
F3	52-71	

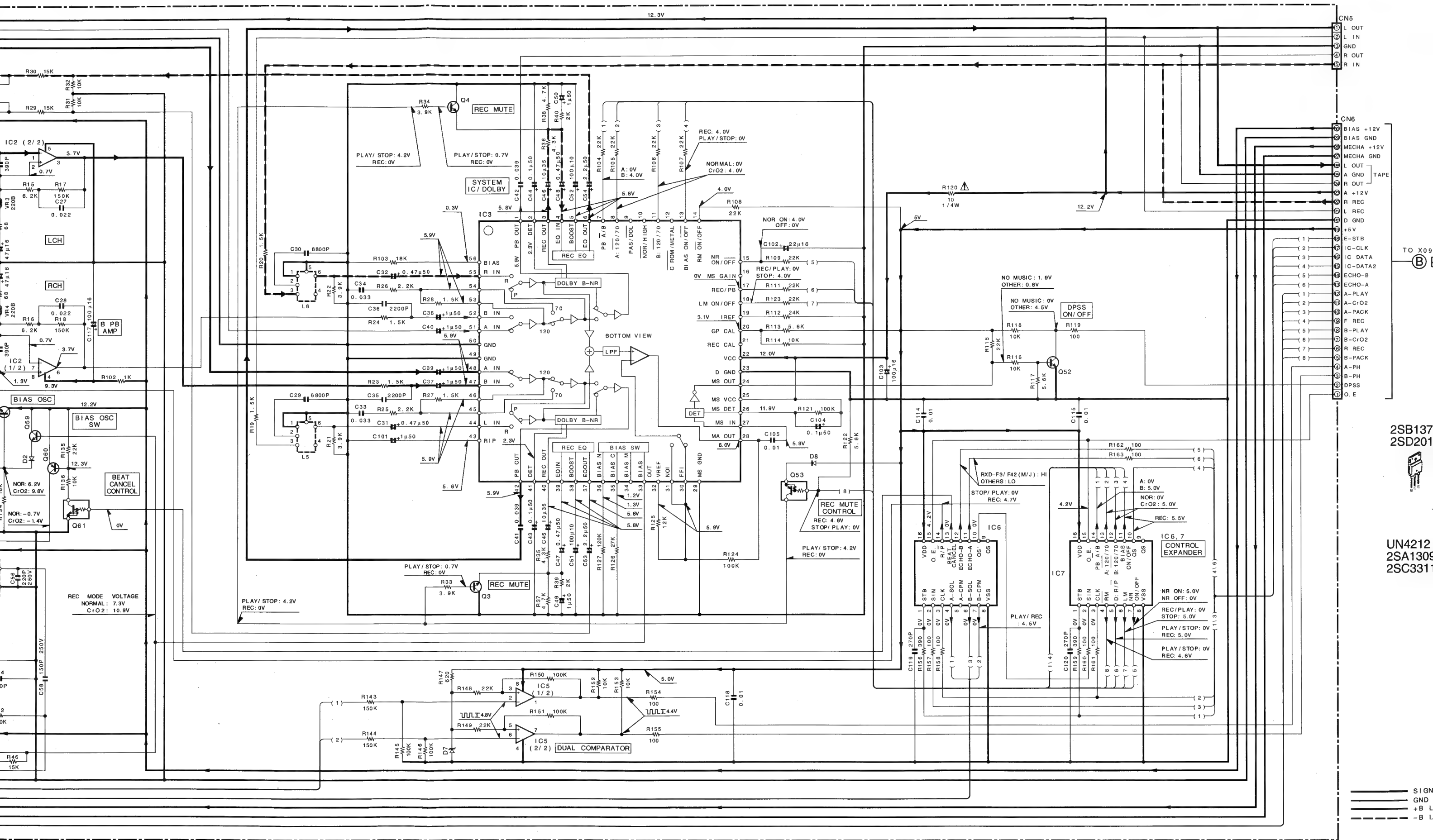
- IC1, 2 : TA 8125 S  
IC3 : HA 12182 F  
IC4 :  $\mu$ PC1297 CA  
IC5 : BA 10393  
IC6, 7 : BU 4094 BC  
  
D1, 2, 4, 5, 6, 8 : 1SS133 or HSS104  
D7 : UZ-2.7BSB or  
RD2.7ES(B2) or  
HZS2.7 (B2)

Q1, 2, 51, 61 : UN4212 or DTC124ES  
Q3, 4 : 2SD1302(S, T) or 2SD1450(S, T)  
Q52, 56, 57, 59 : 2SC2785(F, E) or  
2SC3311A(Q, R) or  
2SC1740S(Q, R) or  
2SC2458(Y, GR)  
Q53 : UN4112 or DTA124ES  
Q54, 55 : 2SC1845(F, E)  
Q58 : 2SC3940A(R, S)  
Q60 : 2SA992(F, E)  
Q63~65 : 2SC3246



X28-27xx-xx RECORD/PLAY BACK UNIT





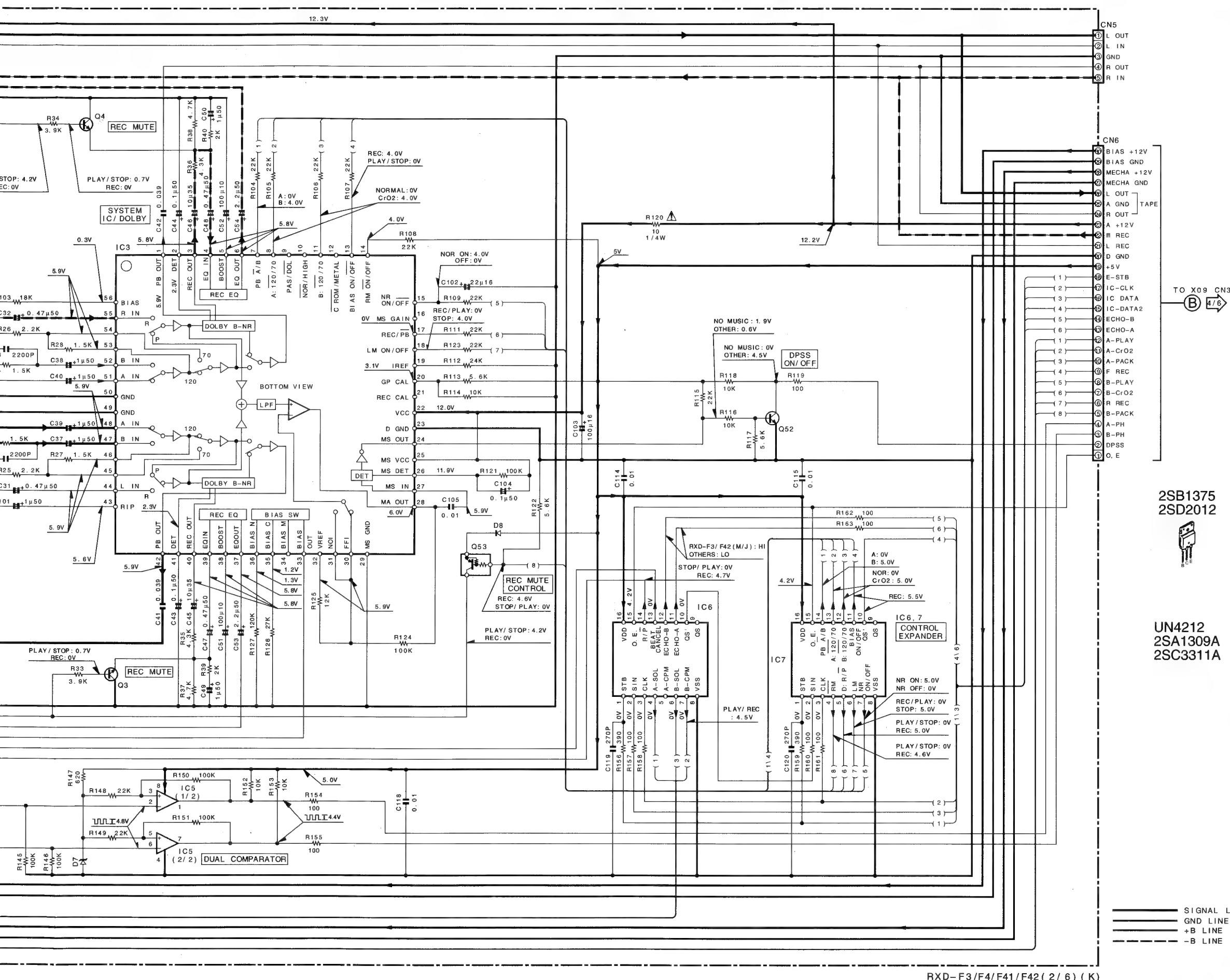
TO X09  
(B)

2SB137  
2SD201

UN4212  
2SA1309  
2SC331

— SIGNAL  
— GND  
— +B L  
— -B L

RXD-F3/F4/F41/F42 (2/6) (K)



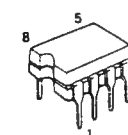
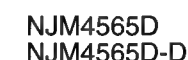
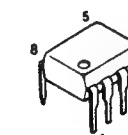
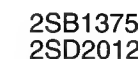
**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c doivent être mesurées avec un voltmètre à haute impédance Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

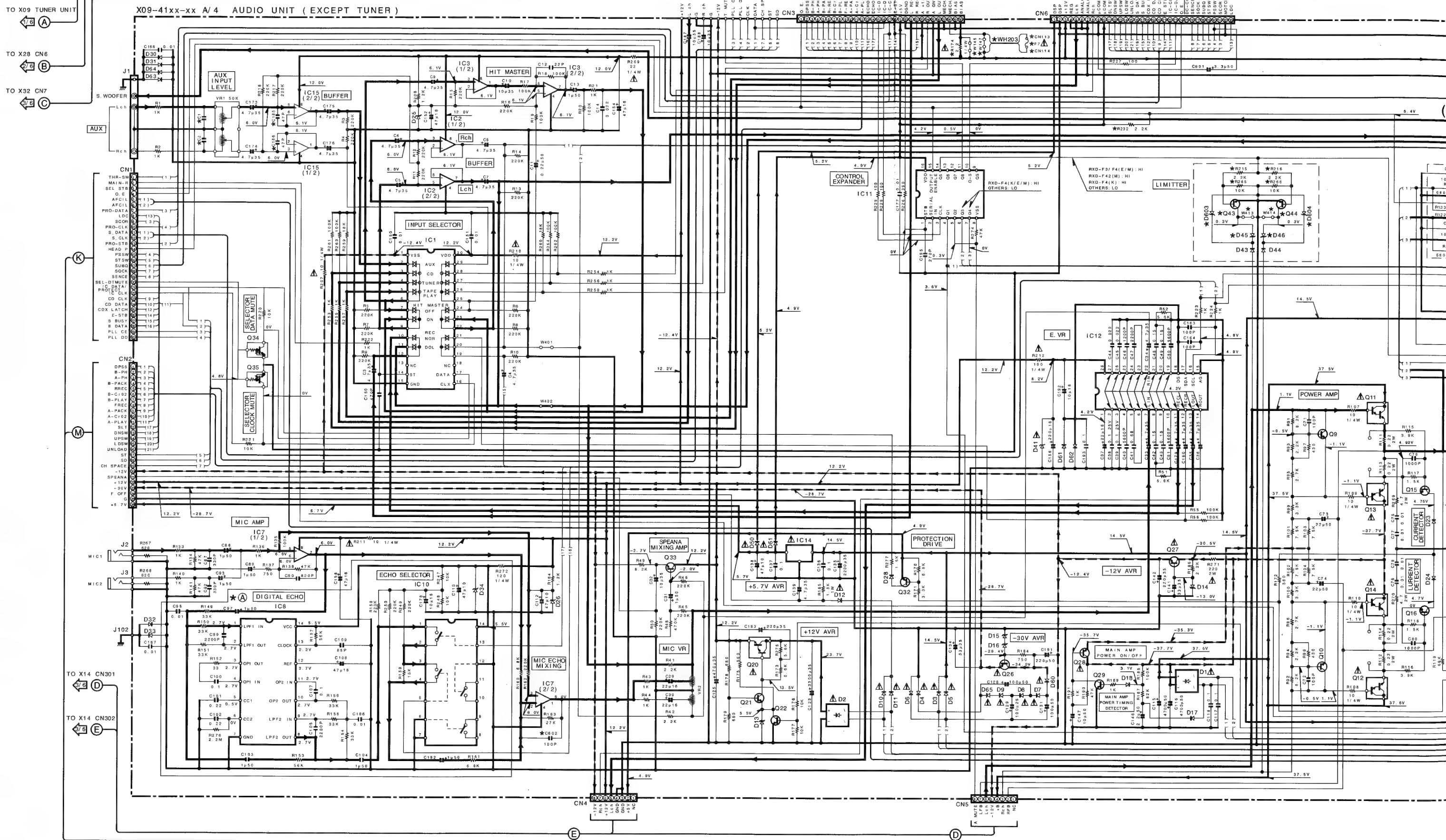


\_\_\_\_\_ SIGNAL LINE  
 \_\_\_\_\_ GND LINE  
 \_\_\_\_\_ +B LINE  
 - - - - - -B LINE

RXD-F3/F4/F41/F42

Y39-2130-11





**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c doivent être mesurées impédance Les valeurs peuvent différer en raison des variations inhérentes aux appareils et individuels



1

```

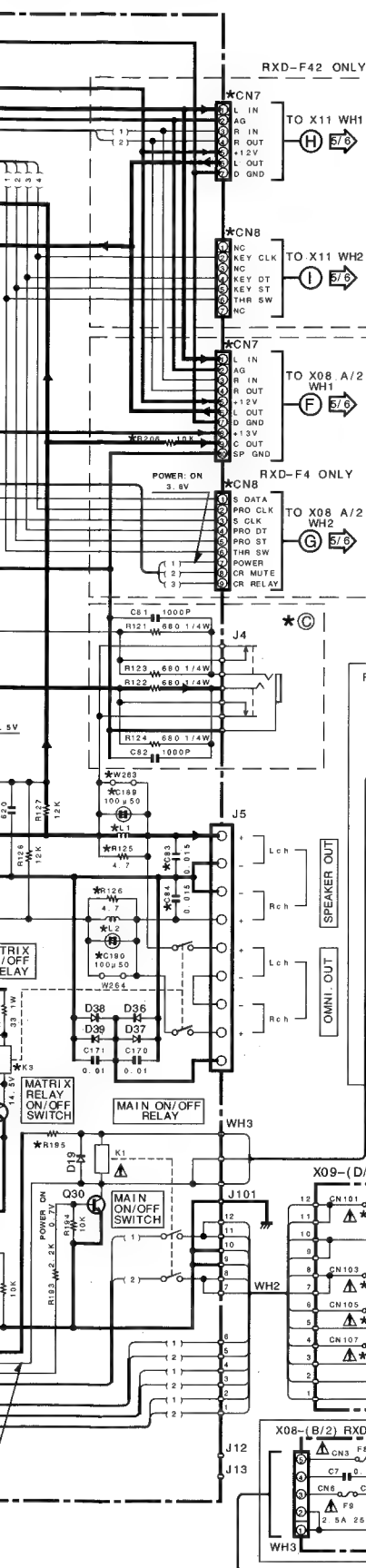
: HZS13N(B2) or RD13ES(B2) or UZ-13BSB
: HZS16N(B2) or RD16ES(B2) or UZ-16BSB
: MA111
: HZS6. 2N(B2) or RD6. 2ES(B2) or UZ-6. 2BSB
: HZS8. 2N(B2) or RD8. 2ES(B2) or UZ-8. 2BSB
: ★
: HZS30N(B) or RD30ES(B)

```



TO X14 CN1  
TO X14 CN2  
TO X08 WH3

Y39-2130-11



X09-41XX-XX

RXD-UNIT	REF. NO.	ABB	①. D20, K2, Q41, W161, W180, W226, W228	②. D21, K3, Q19, W205, W206, W261, W262	③. C1, 2	C83, 84, C185, C186, L1, 2, R125, R126	C183	C189, C190	C500, WH10	R174	R195	CN7, CN8, WH10	CN113, CN114, WH203, WH220	WH101-105	J4 E70-xxxx-05	J5 E70-xxxx-05	F3, 4	F5	F6	F7	D45, 46	D603, D604	W145	W147	W249	W263, W264	W401, W402
F3	4150-11	KS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0032	6A 125V	1.25A 250V	2A 125V	YES	RD30ES(B2) or HZS30N(B2)	YES	NO	NO	NO	YES	YES
F42	4150-22	MS	YES	YES	220P	NO	NO	YES	YES	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	YES	NO
F41	4150-13	KS	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO	0282	0032	6A 125V	1.25A 250V	2A 250V	YES	RD30ES(B) or HZS30N(B)	YES	NO	NO	NO	NO	YES
F4	4150-23	MS	NO	NO	470P	YES	NO	NO	NO	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
F3/L	4150-70	ES	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0032	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
F4/L	4150-71	ES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
	4150-72	XS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
	4150-73	XS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
	4150-74	XS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
	4150-75	XS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
	4150-76	XS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
	4150-77	XS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
	4150-78	XS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
	4150-79	XS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
	4150-80	XS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
	4150-81	TH	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
	4150-82	TS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0282	0048	5A 250V	1.1A 250V	1.6A 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES

IC1 : NJU7313AM  
IC2, 15 : NJM4565M  
IC3 : NJM4565D or XRA15218-DX  
IC7 : NJM4565MD  
IC8 : M65844P  
IC10 : BU4066BCF  
IC11 : BU4094BCF  
IC12 : TDA7345D  
IC14 : TA78057S

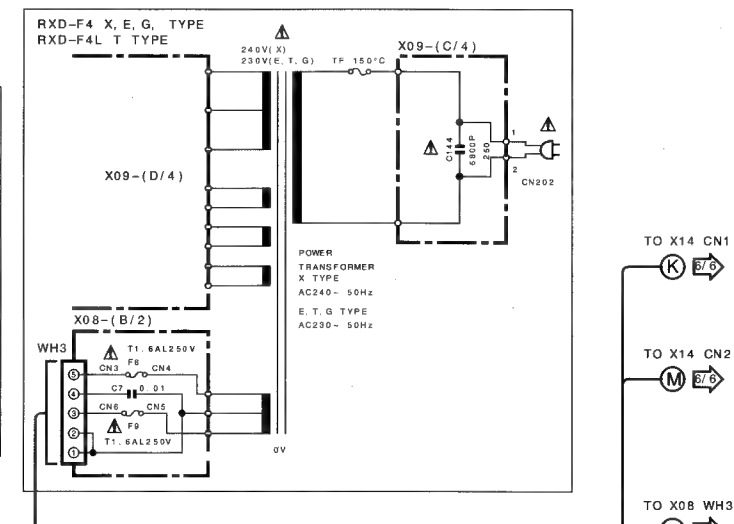
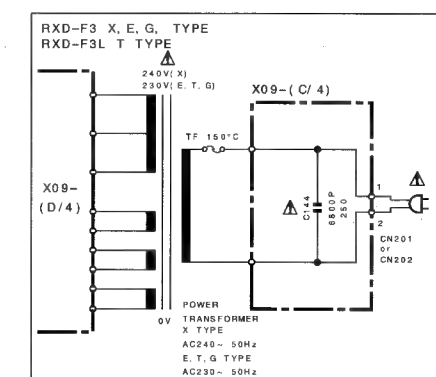
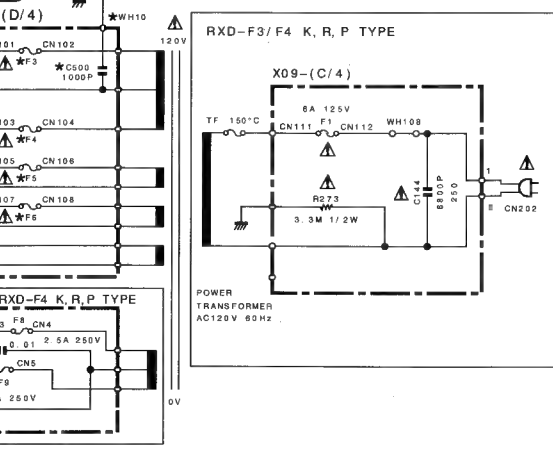
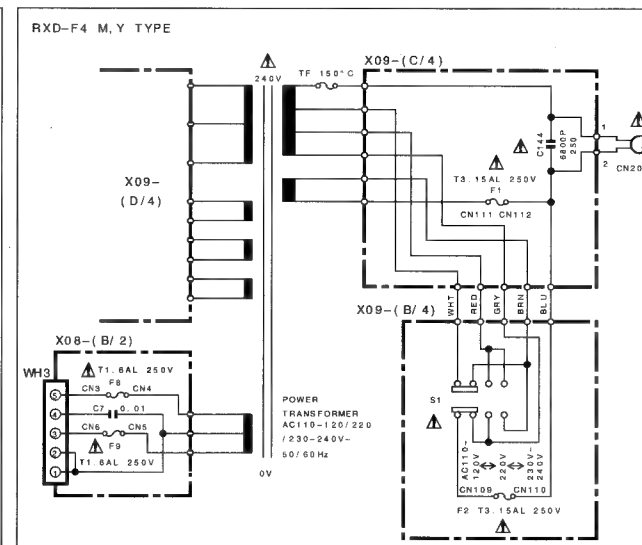
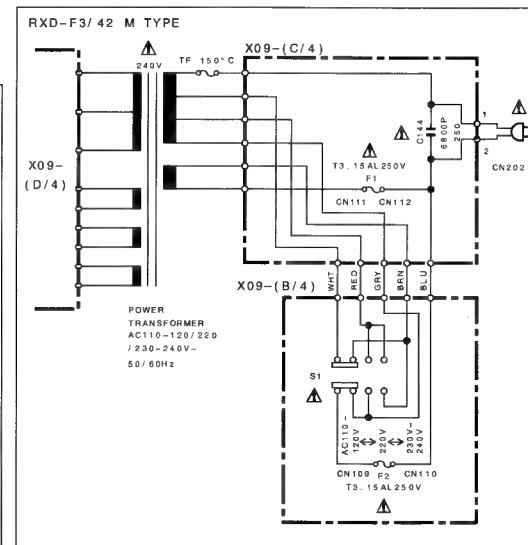
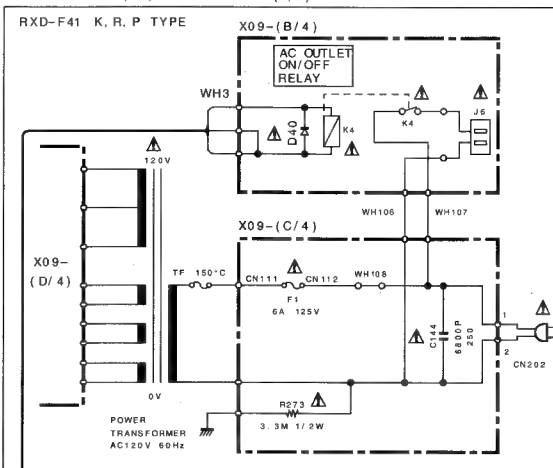
Q19 : 2SC4137(V, W)  
Q20 : 2SD1893  
Q26, 27 : 2SB1624  
Q28 : 2SB1370 or 2SB1375  
Q29, 32 : 2SA954(L, K)  
Q30, 41 : 2SA1576(R, S)  
Q34, 35 : 2SC2003(L, K)  
Q43, 44 : 2SC1845(F, E)

D1 : 2SC3246  
D2 : 2SD1893  
D3-9, 50, 60, 65 : 2SB1370 or 2SB1375  
D10, 11, 17-21, 23, 24, 28, 32, 33, 36-40, 43, 44, 51 : 2SC2003(L, K)  
D12, 13 : 2SC1845(F, E)

D35BA20F03 or RBV-402LFA  
KBPO2ML-6127  
S5688B or 1SR139-100  
1SS131 or HSS104A  
HZS5.6N(B2) or RD5.6ES(B2) or UZ-5.6BSB

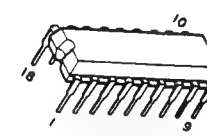
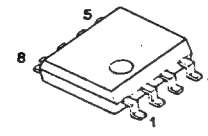
D14, 15 : HZS13N(B2) or RD13ES(B2) or UZ-13BSB  
D16 : HZS16N(B2) or RD16ES(B2) or UZ-16BSB  
D22, 30, 31, 61-64 : MA111  
D25, 26, 34 : HZS8.2N(B2) or RD8.2ES(B2) or UZ-8.2BSB  
D41 : HZS8.2N(B2) or RD8.2ES(B2) or UZ-8.2BSB  
D45, 46 : HZS30N(B) or RD30ES(B)

W263, W264 : HZS13N(B2) or RD13ES(B2) or UZ-13BSB  
W263, W264 : HZS16N(B2) or RD16ES(B2) or UZ-16BSB  
W263, W264 : MA111  
W263, W264 : HZS8.2N(B2) or RD8.2ES(B2) or UZ-8.2BSB  
W263, W264 : HZS8.2N(B2) or RD8.2ES(B2) or UZ-8.2BSB  
W263, W264 : HZS30N(B) or RD30ES(B)

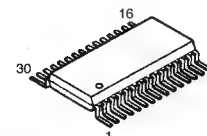


RXD-F3/F4/F41/F42(4/6) (K)

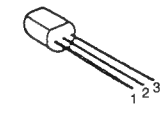
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NJM4565M  
NJM4565MD

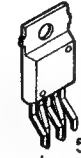
NJU7313AM



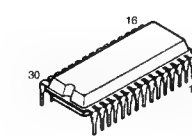
M5237L



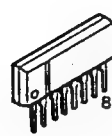
TDA2050V



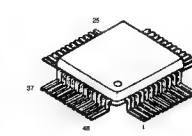
LA1836



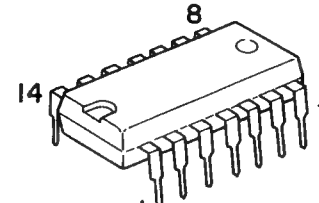
NJM4565L-D



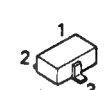
CXA1782BQ



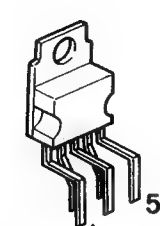
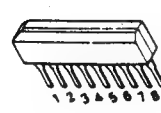
M65844P



UN5212

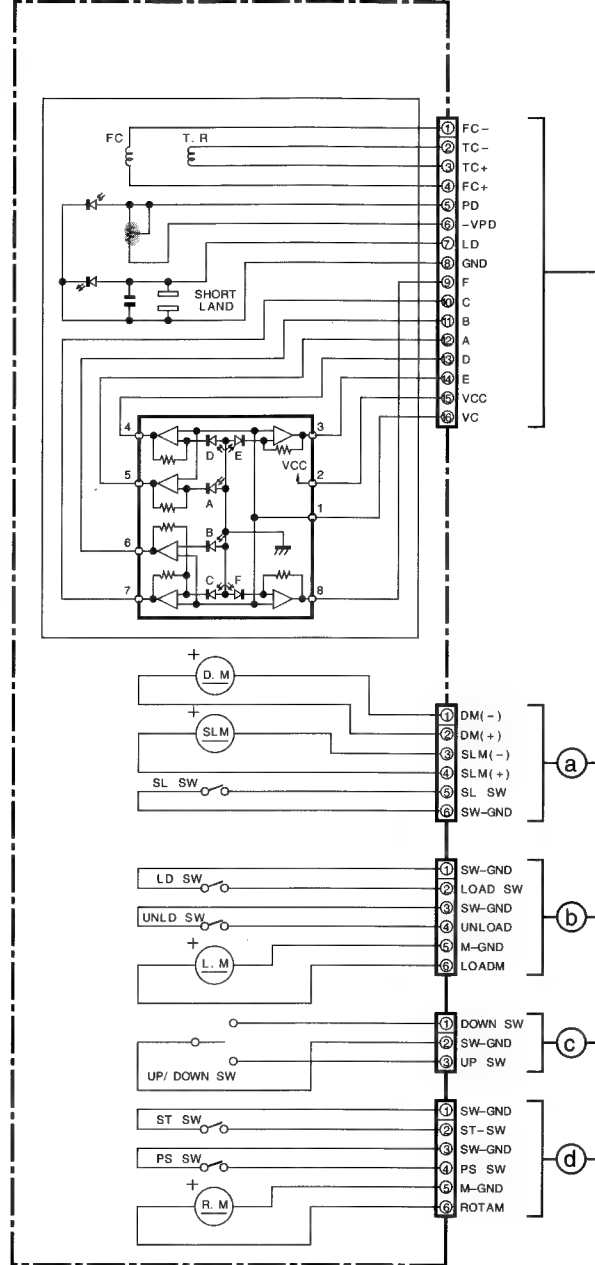


TDA2040V

TA8125S  
TA8409S

**RXD-F3/F4/F41/F42**  
**KENWOOD**

\*CD MECHA D40-1412-08

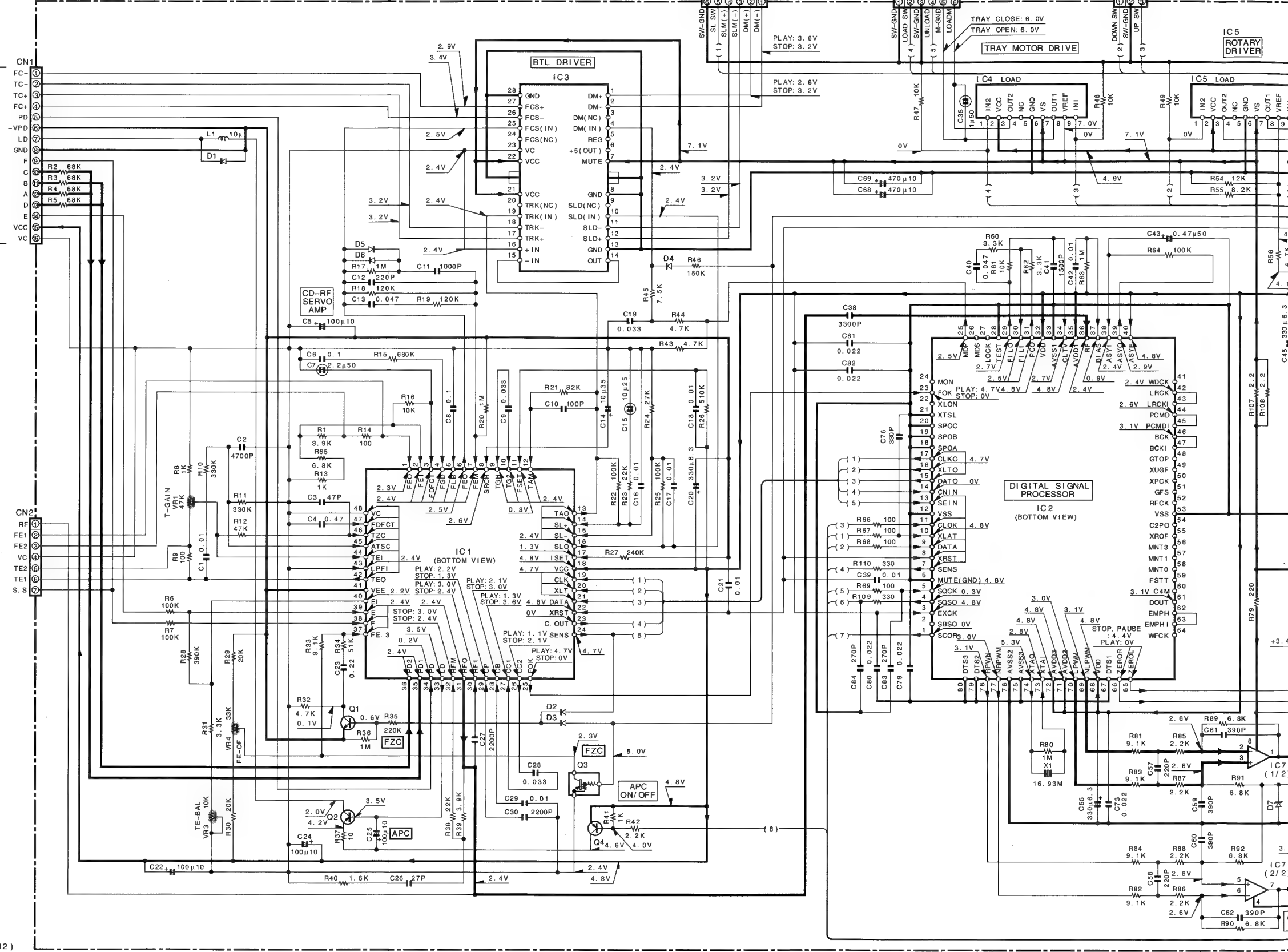


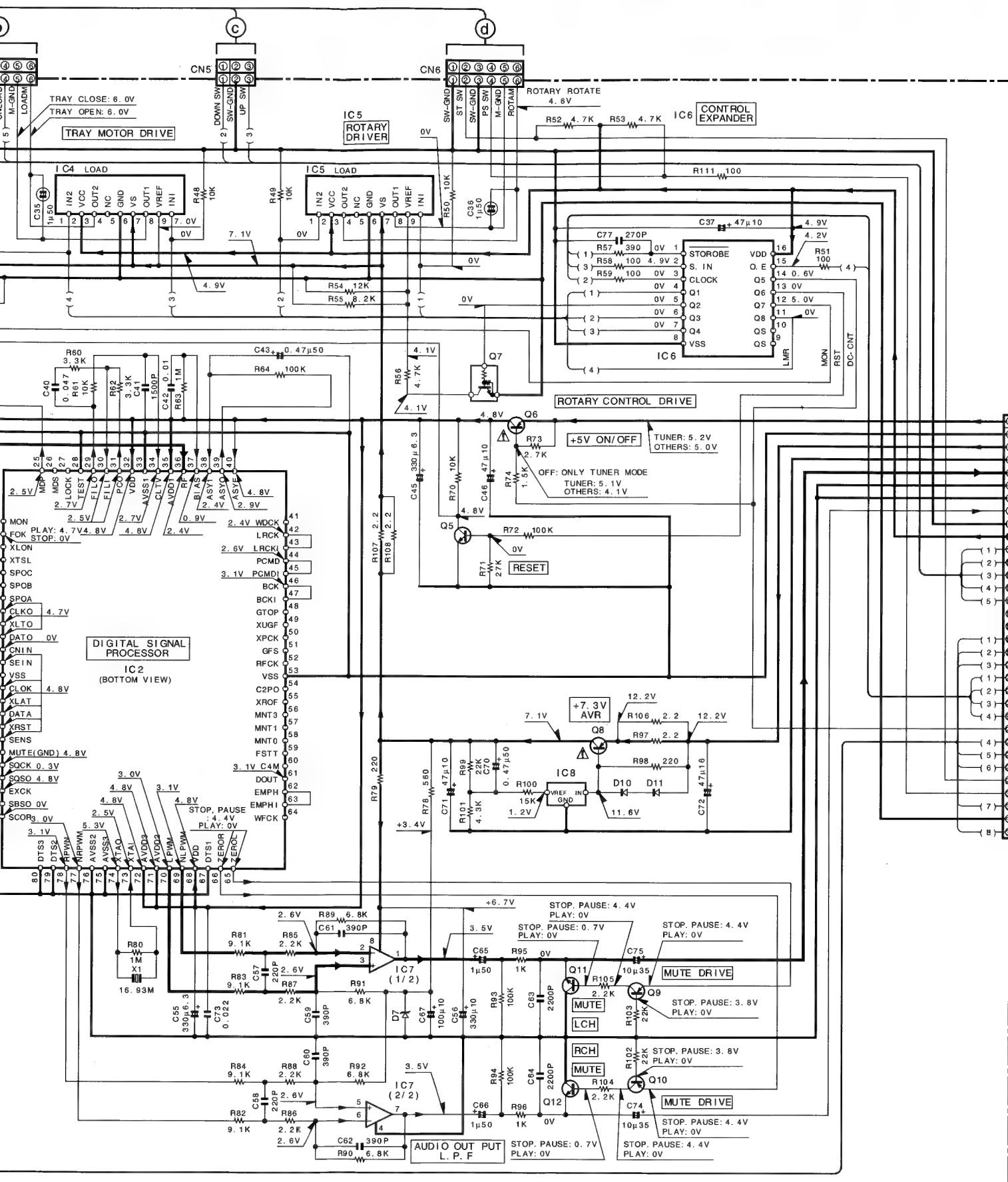
- IC1 : CXA1782BQ  
 IC2 : CXD2508AQ  
 IC3 : BA6398FP  
 IC4, 5 : TA8409S  
 IC6 : BU4094BC  
 IC7 : NJM2100D  
 IC8 : M5237L  
 Q1, 5 : 2SC2785(F, E) or 2SC1740S(Q, R) or 2SC3311A(Q, R) or 2SC2458(Y, GR)  
 Q2, 4 : 2SA954(L, K)  
 Q3 : DTA124ES or UN4112  
 Q6 : 2SA1534A(R, S)  
 Q7 : DTC124ES or UN4212  
 Q8 : 2SB1565(E, F) or 2SB1375  
 Q9, 10 : 2SA1175(F, E) or 2SA933S(Q, R) or 2SA1309A(Q, R) or 2SA1048(Y, GR)  
 Q11, 12 : 2SC2878(B)  
 D1~6, 10, 11 : 1SS133 or HSS104  
 D7 : MTZJ3.3(B) or RD3.3ES(B2) or HZS3.3N(B2)

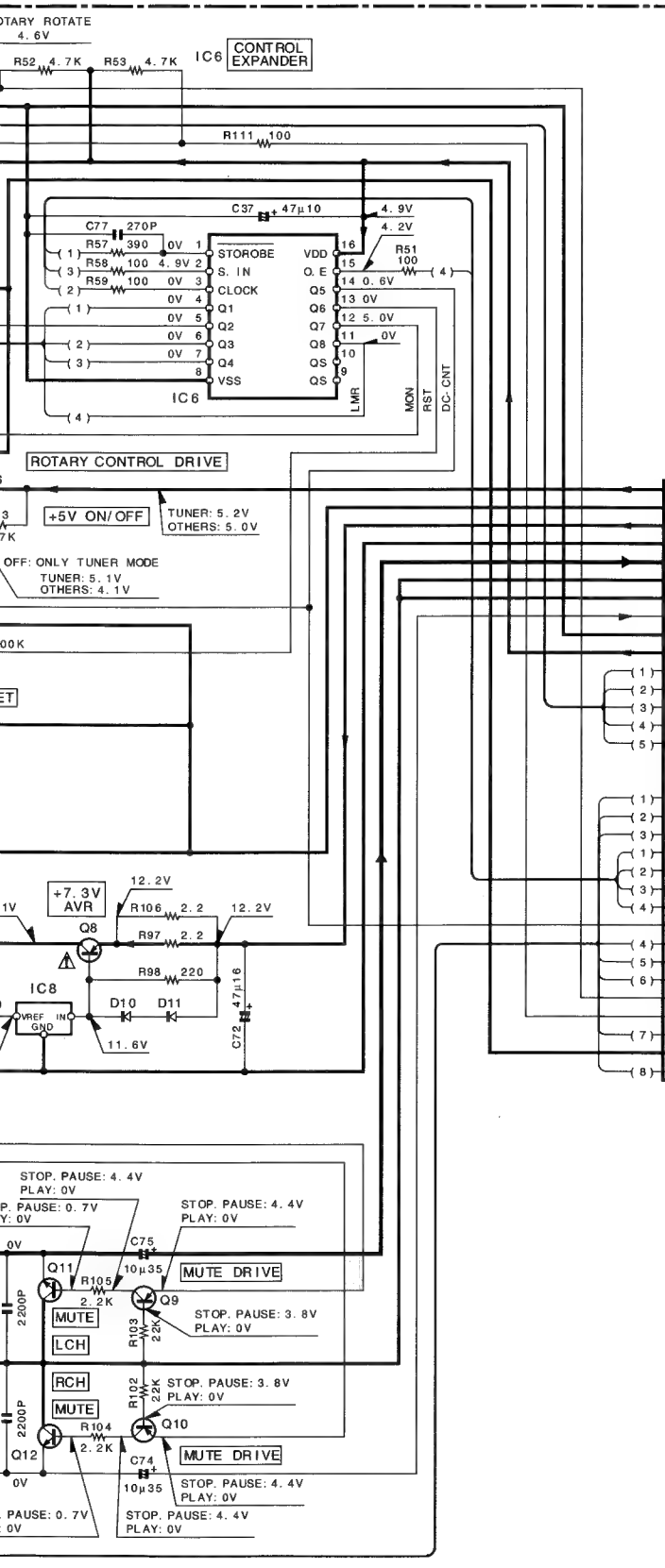
X32-29xx-xx

UNIT NO.	MODEL NAME	ABB
X32-2940-10	F3	KW, RW, PW, MW, XW, TW, EW, GW
X32-2960-10	F4	YW, MW, XW, TW, EW, GW
X32-2960-10	F3	KW, RW, PW, YW, MW, XW, TW, EW, GW

CD PLAYER UNIT







X14 C/3

MODEL NAME	X14-401 S, W MADE	X14-403 H MADE	ABB	R337, R338	R303~314, C301~306, Q301, 302	C313, C316	C317, C318	C321, C322	W401, W402
F3	0-11	0-11	K, R, P	91	YES	NO	100P 1000P 68P 680P	NO	NO
F42	0-21	0-21	M	100	YES	YES	220P 1500P	NO	NO
F4	0-51	0-51	T	100	YES	NO	68P 680P	NO	NO
F41	0-13	0-13	K, R, P	91	NO	NO	100P 1000P	YES	YES

X14 C/3

IC301 : NJM4565D-D

D301 : RD3.9ES(B2) or  
HZS3.9N(B2) or  
UZ-3.9BSB(F4, F42 ONLY)

Q301, 302, 307~310 : 2SC1845(F, E)

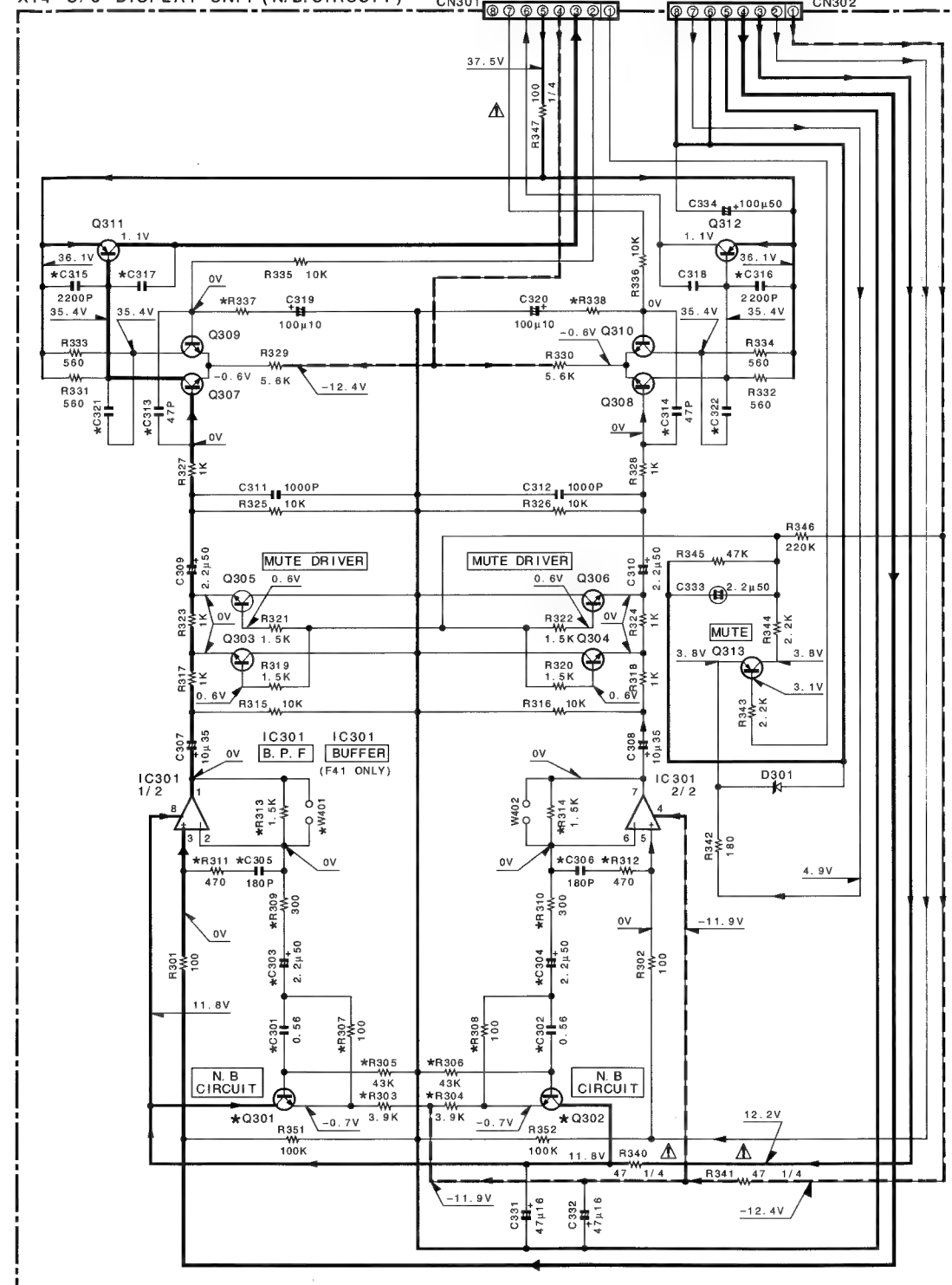
Q303~306 : 2SC2878(B)

Q311, 312 : 2SA992(F, E)

Q313 : 2SA933S(Q, R) or  
2SA1175(F, E)

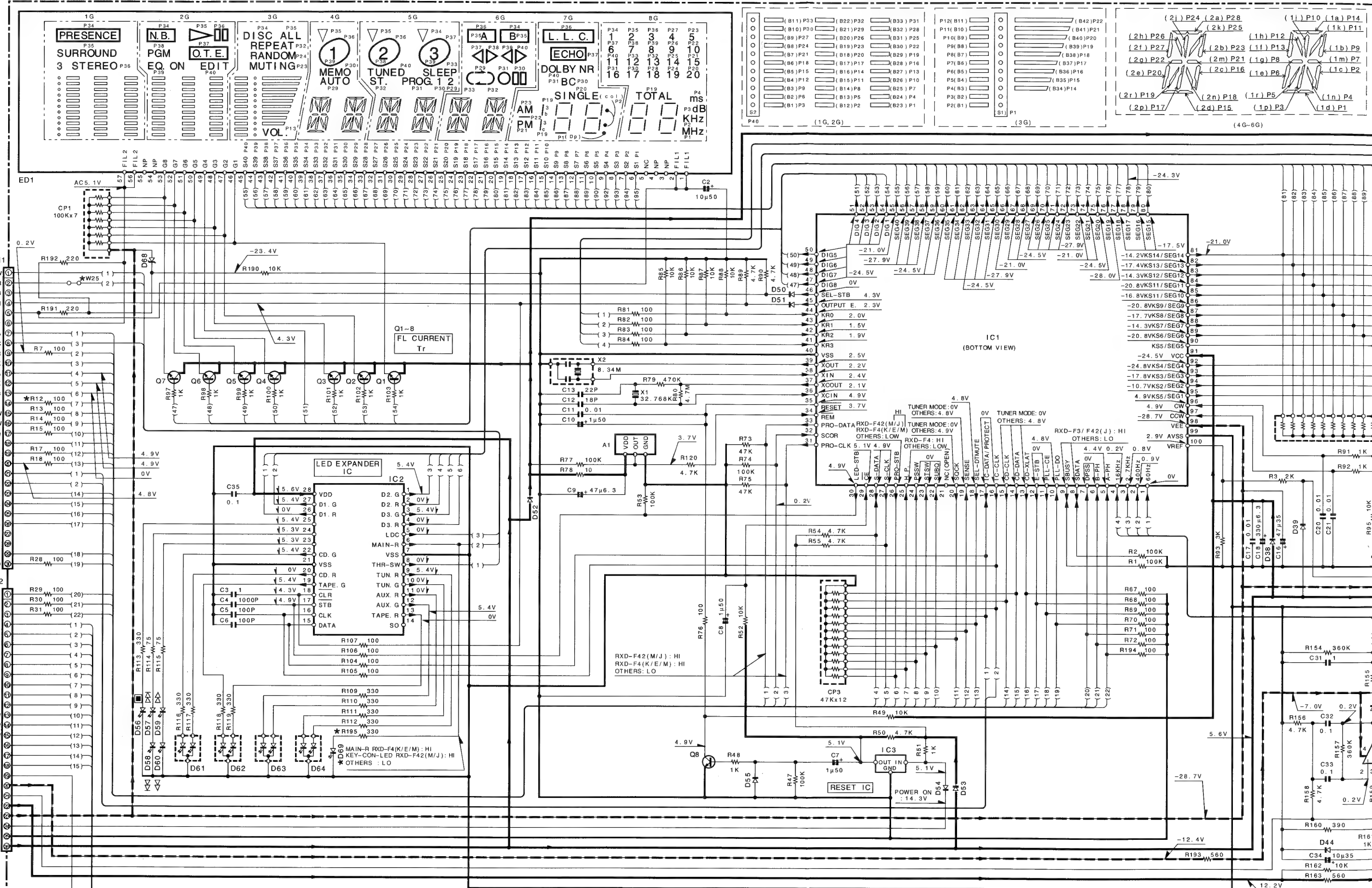
Q313 : 2SA1048(Y, GR) or  
2SA1309A(Q, R)

X14 C/3 DISPLAY UNIT (N.B. CIRCUIT)

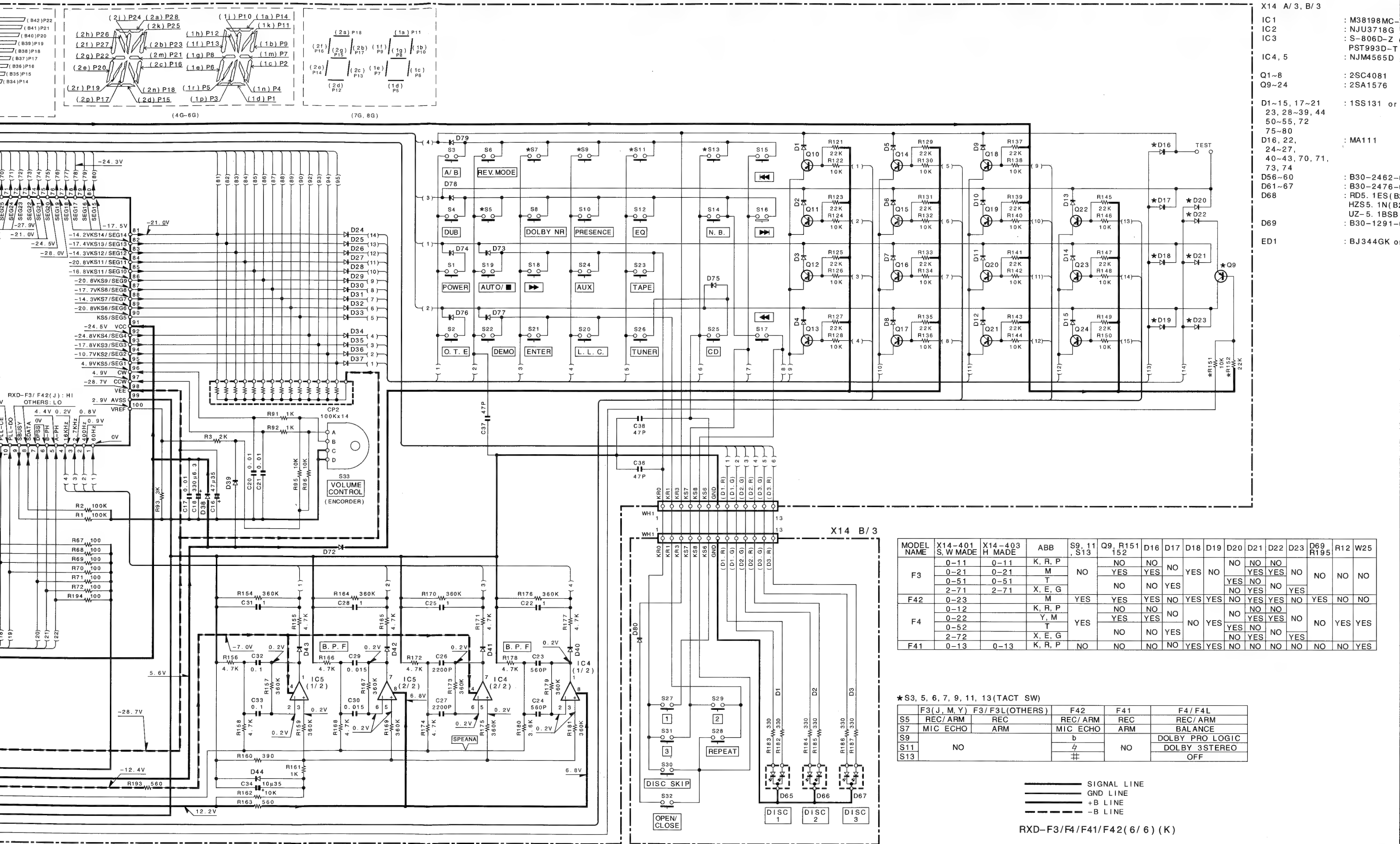


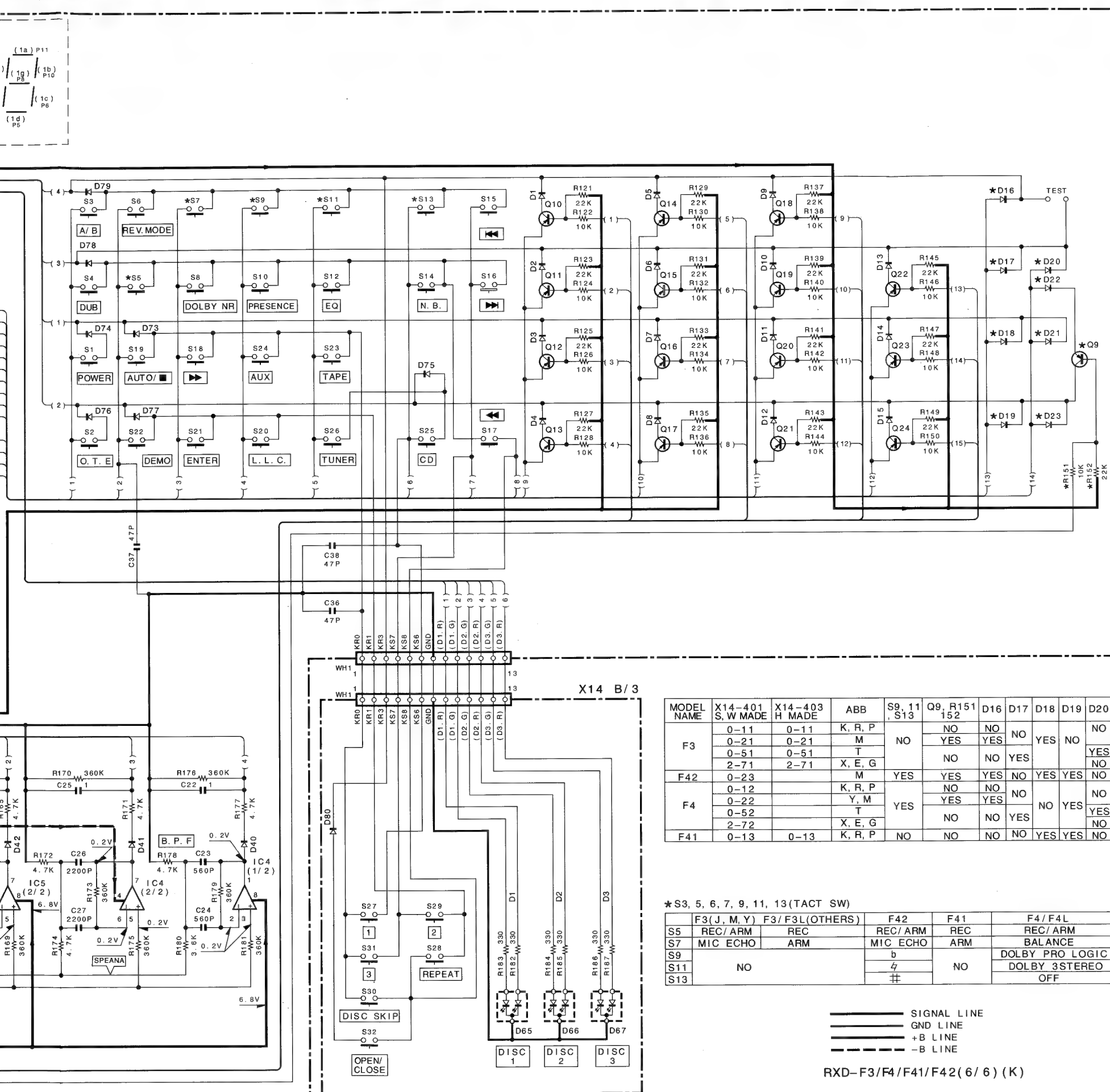


## X14-40xx-xx A/3 DISPLAY UNIT









- X14 A/3, B/3
- IC1 : M38198MC-053FP
  - IC2 : NJU3718G
  - IC3 : S-806D-Z or PST993D-T
  - IC4, 5 : NJM4565D
  - Q1~8 : 2SC4081
  - Q9~24 : 2SA1576
  - D1~15, 17~21 : 1SS131 or HSS104A
  - 23, 28~39, 44 : 50~55, 72
  - 75~80 : MA111
  - D16, 22, 24~27, 40~43, 70, 71, 73, 74 : B30-2462-05
  - D56~60 : B30-2476-05
  - D61~67 : RD5.1ES(B2) or HZS5.1N(B2) or UZ-5.1BSB (F4, F42 ONLY)
  - D68 : B30-1291-05
  - D69 : B30-1291-05
  - ED1 : BJ344GK or FIP8AMW6R

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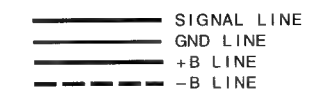
Les tensions c.c doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U geringfügig.

MODEL NAME	X14-401 S. W. MADE	X14-403 H. MADE	ABB	S9, 11, S13	Q9, R151, 152	D16	D17	D18	D19	D20	D21	D22	D23	D69 R195	R12	W25
F3	0-11	0-11	K, R, P	NO	NO	NO	NO	YES	NO	NO	NO	YES	NO	NO	NO	NO
	0-21	0-21	M		YES	YES	NO	YES	NO	NO	YES	YES	NO	NO	NO	NO
	0-51	0-51	T		NO	NO	YES	YES	NO	YES	NO	NO	YES	NO	NO	NO
	2-71	2-71	X, E, G		NO	NO	YES	YES	YES	NO	YES	YES	NO	YES	NO	NO
F42	0-23		M	YES	YES	YES	NO	YES	YES	NO	YES	YES	NO	YES	NO	NO
	0-12		K, R, P		NO	NO	NO	NO	YES	NO	NO	YES	NO	NO	YES	YES
	0-22		Y, M		YES	YES	NO	YES	YES	YES	NO	YES	NO	NO	YES	YES
	0-52		T		NO	NO	YES	YES	YES	NO	YES	YES	NO	YES	NO	YES
F41	2-72		X, E, G	NO	NO	NO	NO	YES	YES	NO	NO	NO	YES	NO	NO	YES
	0-13	0-13	K, R, P		NO	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES

\*S3, 5, 6, 7, 9, 11, 13 (TACT SW)

	F3(J, M, Y)	F3/F3L(OTHERS)	F42	F41	F4/F4L
S5	REC/ ARM	REC	REC/ ARM	REC	REC/ ARM
S7	MIC ECHO	ARM	MIC ECHO	ARM	BALANCE
S9			b		DOLBY PRO LOGIC
S11	NO		4	NO	DOLBY 3STEREO
S13			#		OFF



RXD-F3/F4/F41/F42(6/6) (K)

Y39-2130-11

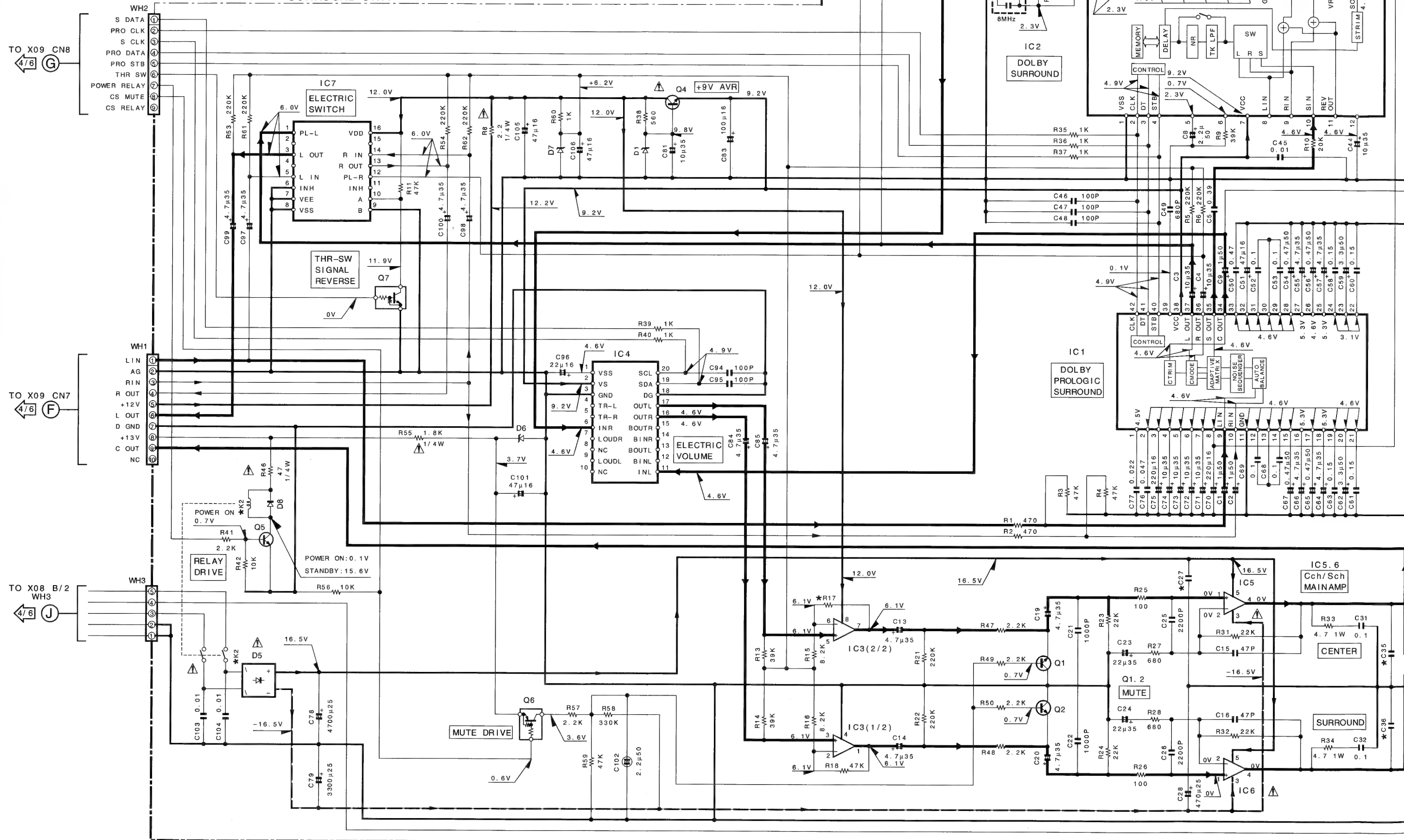
RXD-F3/F4/F41/F42

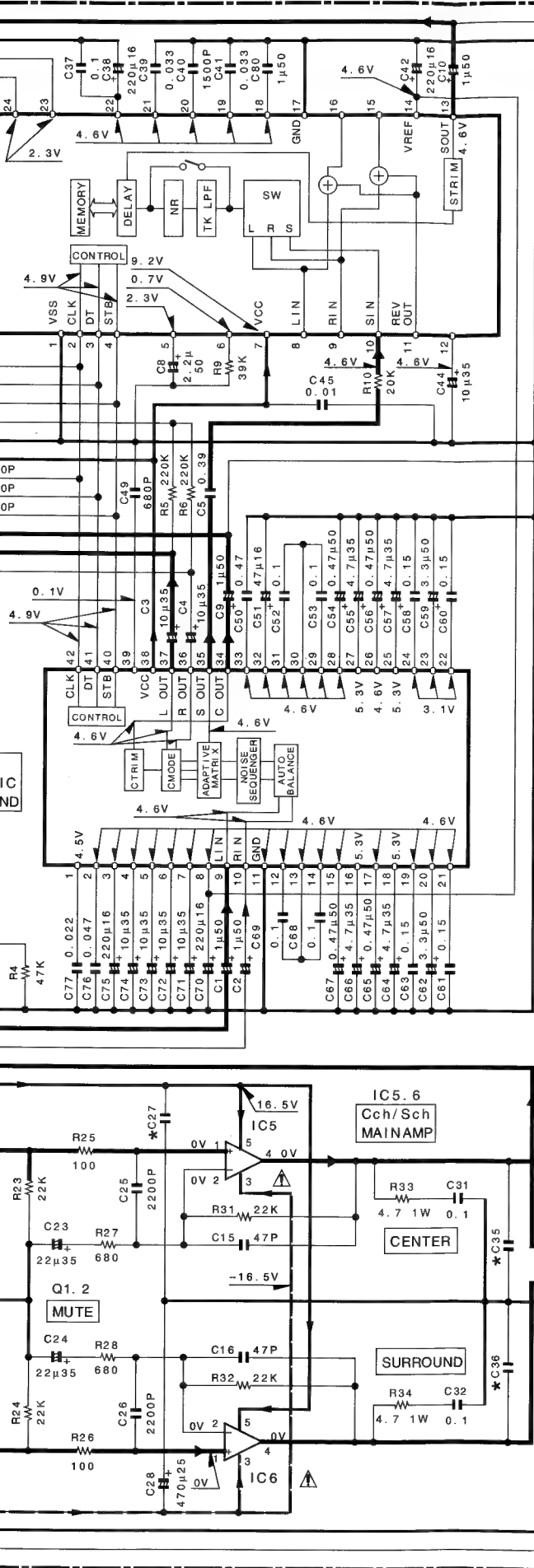
KENWOOD

X08-267x-xx

UNIT	REF. NO. ABB	D5	IC5, 6	R17, 18	C27	C35, 36	K2
2-70	YW, MW, XW, TW, EW, GW YS, MS, XS, TS, ES, GS	KBP02ML-6127	TDA2040V or TDA2050V	27K	0.1μ	8200P	S76-0008-05
0-11	KW, PW, RW KS, PS, RS	D3SBA20F03 or RBV-402LFA	TDA2050V	47K	NO	4700P	S51-2094-05

X08-267x-xx A/2  
RXD-F4/F4L/F42 ONLY SURROUND UNIT





Sch  
TEST POINT

X08-267x-xx

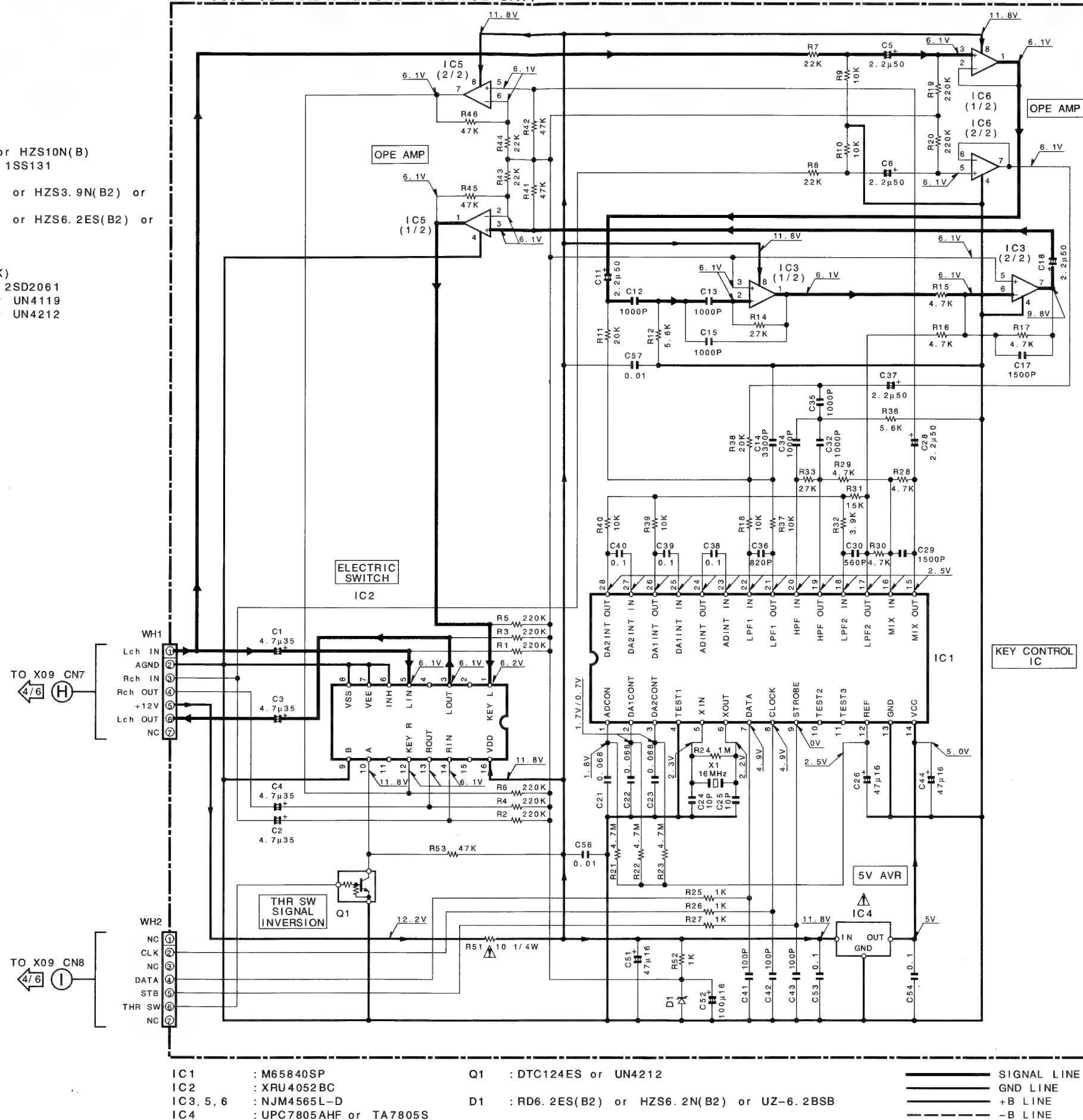
IC1 : LA2785  
 IC2 : LV1011  
 IC3 : NJM4565L-D  
 IC4 : TDA7315  
 IC5, 6 : \*  
 IC7 : XRU4052BC

D1 : RD10ES(B) or HZS10N(B)  
 D3, 4, 8 : HSS104A or 1SS131  
 D5 : \*  
 D6 : RD3.9ES(B2) or HZS3.9N(B2) or  
 UZ-3.9BSB  
 D7 : RD6.2ES(B2) or HZS6.2ES(B2) or  
 UZ-6.2BSB

Q1, 2 : 2SC2878(B)  
 Q5 : 2SC2003(L, K)  
 Q4 : 2SD2012 or 2SD2061  
 Q6 : DTA113ZS or UN4119  
 Q7 : DTC124ES or UN4212

Sch  
TEST POINT

## X11-3600-00 RXD-F42 ONLY CONTOL UNIT



IC1 : M65840SP  
 IC2 : XRU4052BC  
 IC3, 5, 6 : NJM4565L-D  
 IC4 : UPC7805AHF or TA7805S

Q1 : DTC124ES or UN4212  
 D1 : RD6.2ES(B2) or HZS6.2N(B2) or UZ-6.2BSB

— SIGNAL LINE  
 --- GND LINE  
 —+— +B LINE  
 - - - -B LINE

RXD-F3/F4/F41/F42 (5/6) (K)

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

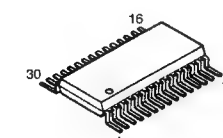
DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

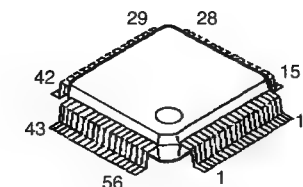
Les tensions c.c doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U geringfügig.

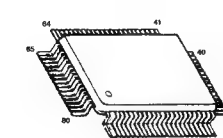
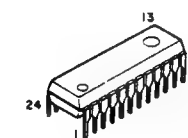
NJU7313AM



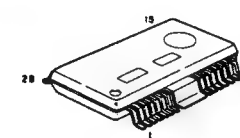
HA12182F



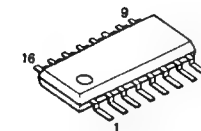
CXD2508AQ

LC7218  
LV1011

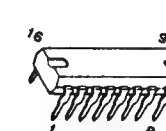
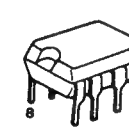
BA6398FP



BU4094BCF



BU4094BC

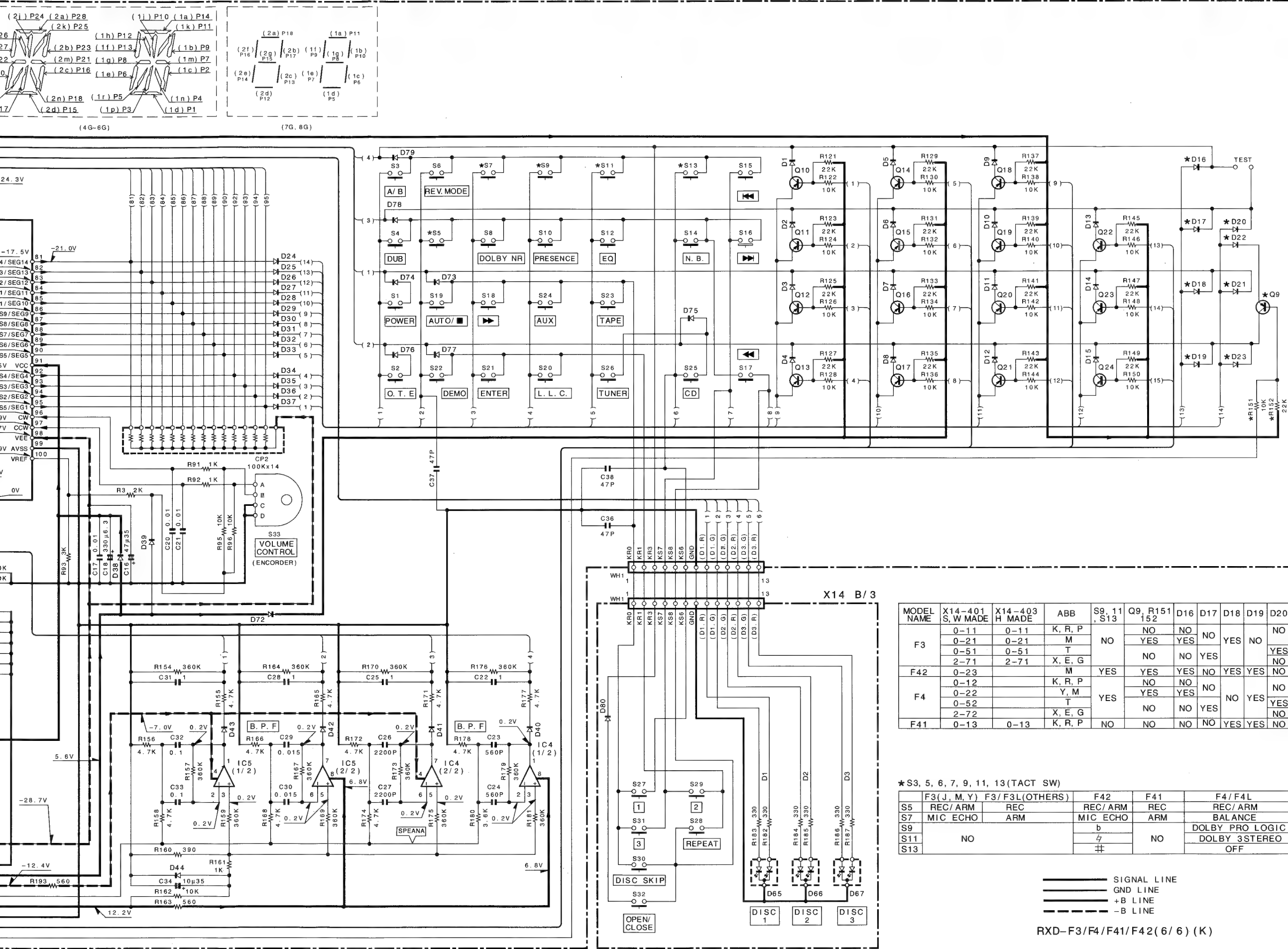
BA10393  
XRA15218-DX

**RXD-F3/F4/F41/F42**  
**KENWOOD**

Y39-2130-11



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- X14 A/3, B/3
- IC1 : M38198MC-053FP
  - IC2 : NJU3718G
  - IC3 : S-806D-Z or PST993D-T
  - IC4, 5 : NJM4565D
  - Q1~8 : 2SC4081
  - Q9~24 : 2SA1576
  - D1~15, 17~21 : 1SS131 or HSS104A
  - 23, 28~39, 44 : 50~55, 72
  - 75~80 : MA111
  - D16, 22, 24~27, 40~43, 70, 71, 73, 74 : B30-2462-05
  - D56~60 : B30-2476-05
  - D61~67 : RD5.1ES(B2) or HZS5.1N(B2) or UZ-5.1BSB (F4, F42 ONLY)
  - D68 : B30-1291-05
  - D69 : BJ344GK or FIP8AMW6R
  - ED1 : BJ344GK or FIP8AMW6R

**CAUTION:** For continuous operation with manufacturer's recommended safety critical components, replace only with same type and specification. (exposed parts are accessible) appliance is returned to

DOLBY and the double Licensing Corporation. Dolby Laboratories Licen

DC voltages are as mea vary slightly due to varia

Les tensions c.c doivent haute impédance Les fait des variations inhé de mesure individuels

Die angegebenen Gleich hochohmigen Spannu Meßwerte aufgrund von oder Geräten u. U gering

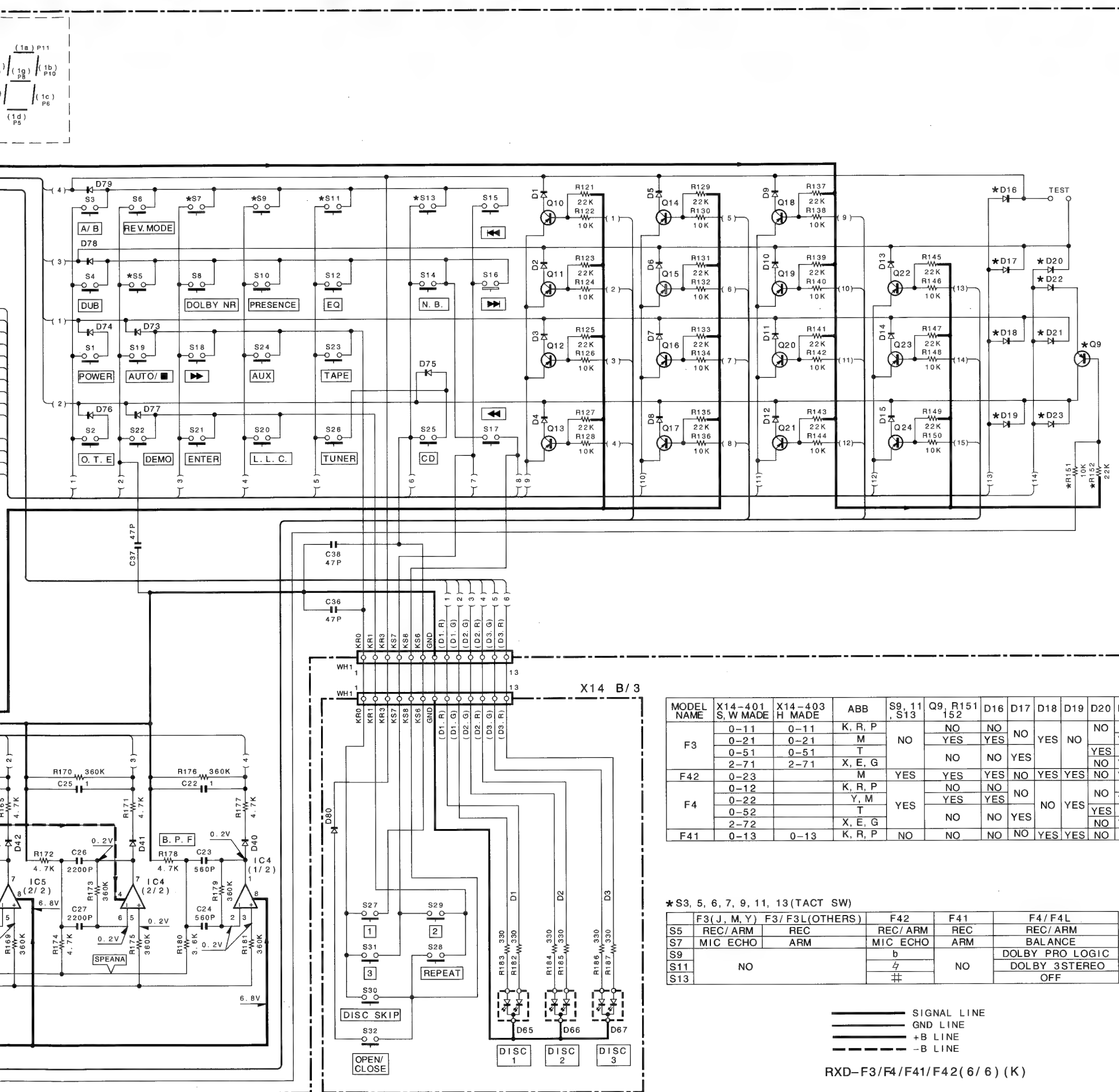
MODEL NAME	X14-401 S, W MADE	X14-403 H MADE	ABB	S9, 11, S13	Q9, R151 152	D16	D17	D18	D19	D20	D21	D22	D23	D69 R195	R12	W25
F3	0-11	0-11	K, R, P	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO
	0-21	0-21	M		YES	YES	YES			YES	YES	YES	YES			
	0-51	0-51	T		NO	NO	YES			NO	NO	NO	NO			
	2-71	2-71	X, E, G		NO	NO	YES			YES	YES	YES	YES			
F42	0-23		M	YES	YES	YES	NO	YES	YES	NO	YES	YES	NO	YES	NO	NO
	0-12		K, R, P		NO	NO	NO	NO	YES	NO	NO	NO	NO			
	0-22		Y, M		YES	YES	YES			YES	YES	YES	YES			
	0-52		T		NO	NO	YES			NO	NO	NO	NO			
F41	2-72		X, E, G	NO	NO	NO	NO	YES	YES	NO	NO	NO	YES	NO	NO	YES
	0-13	0-13	K, R, P		NO	NO	NO	YES	YES	NO	NO	NO	NO			

\*S3, 5, 6, 7, 9, 11, 13(TACT SW)

	F3(J, M, Y)	F3/F3L(OTHERS)	F42	F41	F4/F4L
S5	REC/ARM	REC	REC/ARM	REC	REC/ARM
S7	MIC ECHO	ARM	MIC ECHO	ARM	BALANCE
S9			b		DOLBY PRO LOGIC
S11			7	NO	DOLBY 3STEREO
S13			#		OFF

— SIGNAL LINE  
— GND LINE  
— +B LINE  
- - -B LINE

RXD-F3/F4/F41/F42(6/6) (K)



X14 A/3, B/3

IC1 : M38198MC-053FP  
 IC2 : NJU3718G  
 IC3 : S-806D-Z or PST993D-T

IC4, 5 : NJM4565D

Q1~8 : 2SC4081

Q9~24 : 2SA1576

D1~15, 17~21 : 1SS131 or HSS104A

23, 28~39, 44  
50~55, 72

75~80

D16, 22, : MA111

24~27,

40~43, 70, 71,

73, 74

D56~60 : B30-2462-05

D61~67 : B30-2476-05

D68 : RD5.1ES(B2) or

HZS5.1N(B2) or

UZ-5.1BSB (F4, F42 ONLY)

D69 : B30-1291-05

ED1 : BJ344GK or FIP8AMW6R

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U geringfügig.

MODEL NAME	X14-401 S, W MADE	X14-403 H MADE	ABB	S9, 11, S13	Q9, R151, S12	D16	D17	D18	D19	D20	D21	D22	D23	D69, R195	R12	W25
F3	0-11	0-11	K, R, P	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO
	0-21	0-21	M		YES	YES	NO	YES	NO	YES	YES	NO	NO	NO	NO	NO
	0-51	0-51	T		NO	NO	YES	NO	NO	YES	NO	NO	YES	NO	NO	NO
	2-71	2-71	X, E, G		NO	NO	YES	NO	YES	NO	YES	NO	YES	NO	NO	NO
F42	0-23		M	YES	YES	YES	NO	YES	YES	NO	YES	YES	NO	YES	NO	NO
	0-12		K, R, P		NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	YES	YES
	0-22		Y, M		YES	YES	NO	NO	YES	NO	YES	YES	NO	NO	YES	YES
	0-52		T		NO	NO	YES	NO	YES	NO	NO	NO	YES	NO	NO	YES
F41	2-72		X, E, G	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES
	0-13	0-13	K, R, P		NO	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES

★S3, 5, 6, 7, 9, 11, 13 (TACT SW)

	F3(J, M, Y)	F3/F3L(OTHERS)	F42	F41	F4/F4L
S5	REC/ARM	REC	REC/ARM	REC	REC/ARM
S7	MIC ECHO	ARM	MIC ECHO	ARM	BALANCE
S9			b		DOLBY PRO LOGIC
S11	NO		7	NO	DOLBY 3STEREO
S13			≡		OFF

— SIGNAL LINE  
 — GND LINE  
 — +B LINE  
 - - -B LINE

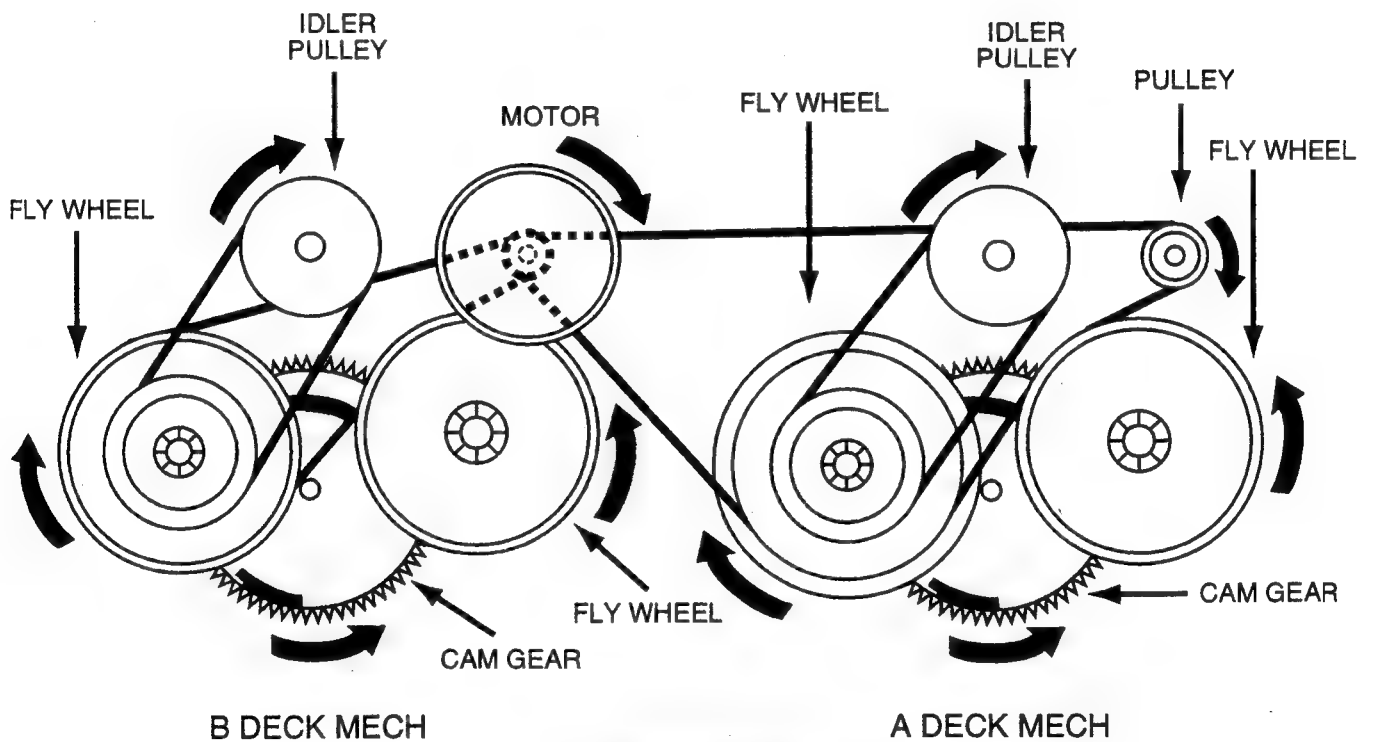
RXD-F3/F4/F41/F42(6/6)(K)

Y39-2130-11

**RXD-F3/F4/F41/F42**  
**KENWOOD**

## CASSETTE MECHANISM DESCRIPTION

### ***How to drive the double cassette deck with one motor***



### REAR VIEW

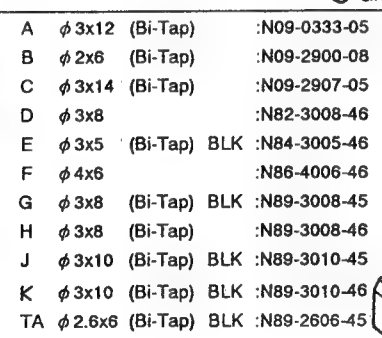
ONE MOTOR RVS MECH (GT-2400W)

## B

- 74

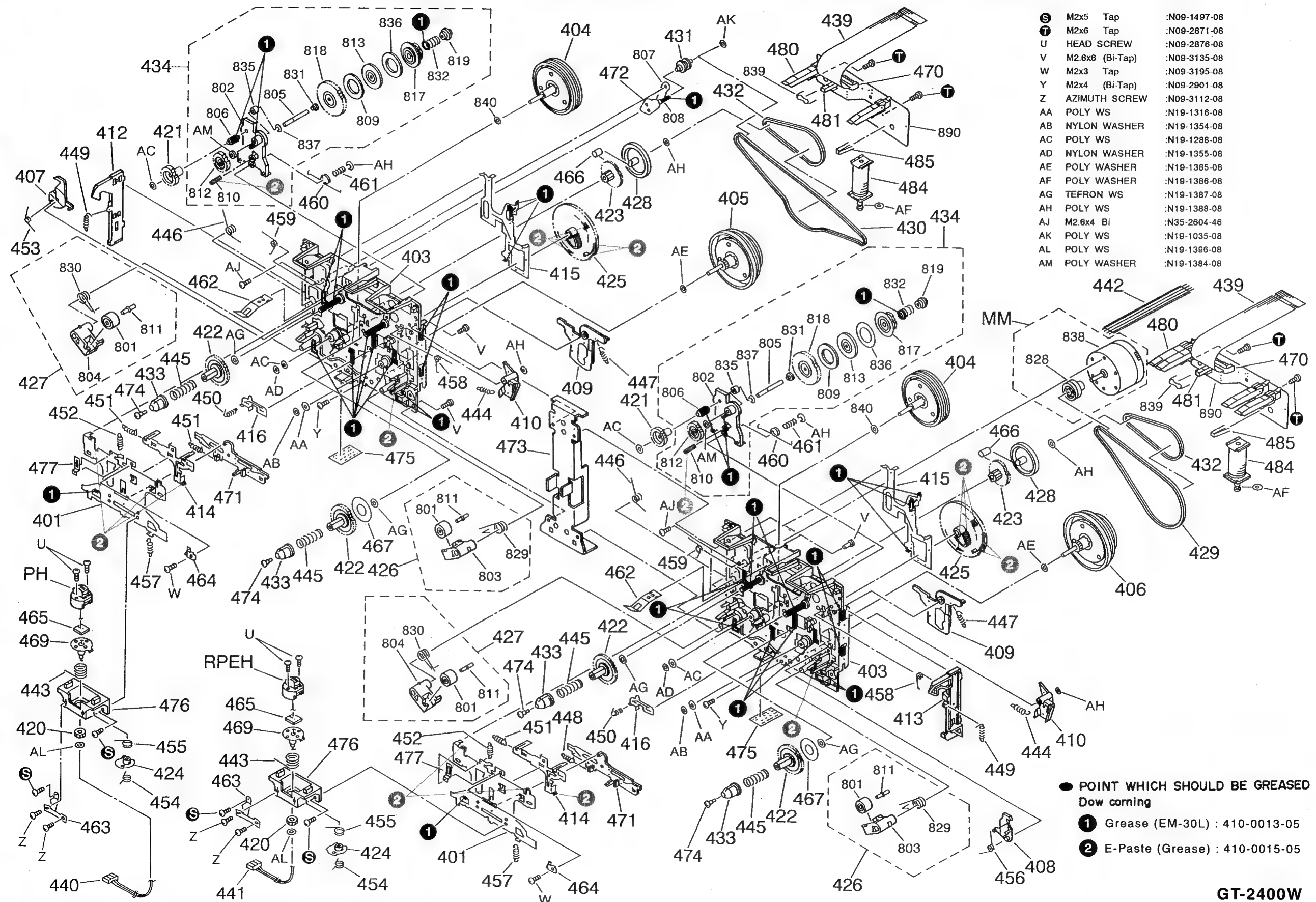


## EXPLODED VIEW(UNIT)



# RXD-F3/F4/F41/F42 RXD-F3/F4/F41/F42

## EXPLODED VIEW(CASSETTE DECK MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

\* New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

NO. 1

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
<b>RXD-F3/L</b>						
601	1G	*	A01-3231-01	METALLIC CABINET		
603	1H		A09-0170-08	BATTERY COVER		
606	2G	*	A21-1870-32	DRESSING PANEL (CD)		1
606	2G	*	A21-1871-22	DRESSING PANEL (CD)		H
607	2G	*	A29-0397-02	PANEL (CD TRAY)		
608	3G		A53-1468-03	CASSETTE HOLDER ASSY(A DECK)		1
608	3G		A53-1837-13	CASSETTE HOLDER ASSY(A DECK)		H
610	3G		A53-1470-03	CASSETTE HOLDER ASSY(B DECK)		1
610	3G		A53-1839-13	CASSETTE HOLDER ASSY(B DECK)		H
612	3G	*	A53-1862-02	CASSETTE LID (A DECK)		1
612	3G	*	A53-1869-02	CASSETTE LID (A DECK)		H
613	3G	*	A53-1864-02	CASSETTE LID (B DECK)		1
613	3	*	A53-1873-02	CASSETTE LID (B DECK)		H
615	2G	*	A60-0730-11	PANEL	M	1
615	2G	*	A60-0732-11	PANEL	KRPXTE	1
615	2G	*	A60-0732-11	PANEL	G	1
615	2G	*	A60-0742-11	PANEL	M	H
615	2G	*	A60-0743-11	PANEL	KRPXTE	H
615	2G	*	A60-0743-11	PANEL	G	H
616	1H	*	A70-1020-05	REMOTE CONTROLLER ASSY(RC-F3)		
620	3G	*	B10-2100-13	FRONT GLASS (A DECK)		1
620	3G	*	B10-2111-13	FRONT GLASS (A DECK)		H
621	3G	*	B10-2101-13	FRONT GLASS (B DECK)		1
621	3G	*	B10-2112-13	FRONT GLASS (B DECK)		H
622	2G	*	B10-2107-02	FRONT GLASS (RECEIVER)	MI	1
622	2G	*	B10-2109-12	FRONT GLASS (RECEIVER)	KRPXEG	1
622	2G	*	B10-2110-12	FRONT GLASS (RECEIVER)	T	1
622	2G	*	B10-2114-02	FRONT GLASS (RECEIVER)	M	H
622	2G	*	B10-2115-12	FRONT GLASS (RECEIVER)	KRPXEG	H
622	2G	*	B10-2116-12	FRONT GLASS (RECEIVER)	T	H
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-		*	B46-0307-23	WARRANTY CARD	K	
-		*	B46-0310-03	WARRANTY CARD	TEG	
-		*	B46-0319-00	QUESTIONNAIRE CARD	T	
-			B58-0964-13	CAUTION CARD (UL)	KR	
-		*	B58-0965-13	CAUTION CARD (PL)	XT	
-		*	B58-0966-13	CAUTION CARD (PL)	MEI	
-		*	B58-0967-03	CAUTION CARD (PL)	P	
-		*	B58-0970-13	CAUTION CARD (R,G TYPE PL)	RG	
-		*	B60-2170-00	INSTRUCTION MANUAL(ENGLISH)	T	
-		*	B60-2171-00	INSTRUCTION MANUAL(ENGLISH)	KRP	
-		*	B60-2172-00	INSTRUCTION MANUAL(FRENCH)	PE	
-		*	B60-2173-00	INSTRUCTION MANUAL(GERMANY)	EG	
-		*	B60-2174-00	INSTRUCTION MANUAL(DENT)	E	
-		*	B60-2175-00	INSTRUCTION MANUAL(ITALY)	E	
-		*	B60-2176-00	INSTRUCTION MANUAL(SPANISH)	RE	
-		*	B60-2177-10	INSTRUCTION MANUAL(CHINESES)	MI	
-		*	B60-2178-10	INSTRUCTION MANUAL(TIWAN)	M	
-		*	B60-2255-00	INSTRUCTION MANUAL(ENGLISH)	MXI	
-		*	B60-2256-00	INSTRUCTION MANUAL(SPANISH)	M	
625	3H	*	D39-0322-05	DAMPER		

L:Scandinavia

K: USA

P: Canada

H: HUIZHOU made

Y: PX(Far East, Hawaii)

T: England

E:Europe

1: SINGAPORE, MALAYSIA made common

Y:AAFES(Europe)

X: Australia

M: Other Areas

Δ indicates safety critical components.

\* New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

NO. 2

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Δ 630	1H		E03-0115-05	AC PLUG ADAPTER	MI	
Δ 632	1J		E30-2787-05	AC POWER CORD	KRP	
Δ 632	1J		E30-2788-05	AC POWER CORD	MEGI	
Δ 632	1J		E30-2790-05	AC POWER CORD	T	
Δ 632	1J		E30-2791-05	AC POWER CORD	T	
635	2L,1J	*	E35-1174-05	FLAT CABLE		
637	1J	*	F07-0757-03	COVER		
639	1J	*	F20-1432-04	INSULATING SHEET	TEG	
-		*	F10-0980-13	SHIELDING PLATE		
641	2H	*	G01-3810-24	TORSION COIL SPRING		
642	3H	*	G01-3811-24	TORSION COIL SPRING		
643	3G	*	G02-1057-14	FLAT SPRING	KRP	
645	1J	*	G11-2239-14	CUSHION		
-		*	H10-7047-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7048-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H13-0086-04	CARTON BOARD	KRPMXE	
-		*	H25-0632-24	PROTECTION BAG	GI	
-		*	H25-0632-24	PROTECTION BAG		
-		*	H25-0644-04	PROTECTION BAG (0632 PRINTED)	T	
-		*	H25-1509-04	PROTECTION BAG	MI	
-		*	H25-1536-04	PROTECTION BAG	KRPXTE	
-		*	H25-1536-04	PROTECTION BAG	G	
-		*	H50-1487-04	ITEM CARTON CASE	KPX	W
-		*	H50-1488-04	ITEM CARTON CASE	M	W
-		*	H50-1489-04	ITEM CARTON CASE	T	W
-		*	H50-1490-04	ITEM CARTON CASE	REG	W
-		*	H50-1491-04	ITEM CARTON CASE	KP	H
-		*	H50-1492-04	ITEM CARTON CASE	MX	H
-		*	H50-1493-04	ITEM CARTON CASE	REG	H
-		*	H50-1569-04	ITEM CARTON CASE	KPX	S
-		*	H50-1570-04	ITEM CARTON CASE	M	S
-		*	H50-1571-04	ITEM CARTON CASE	T	S
-		*	H50-1572-04	ITEM CARTON CASE	REG	S
-		*	H50-1652-04	ITEM CARTON CASE	I	W
647	1J		J19-2808-05	HOLDER	MI	
648	1G		J19-3645-05	AM ANTENNA HOLDER		
660	1J		J42-0083-05	POWER CORD BUSHING	MI	
-			J61-0307-05	WIRE BAND		
661	3G		K29-6033-04	KNOB (MIC MIXING)		
662	2H	*	K29-6135-02	KNOB (DUBB,REC,ARM)		1
662	2H	*	K29-6138-02	KNOB (DUBB,REC,ARM)		H
663	2H	*	K29-6121-12	KNOB (TUNING,P.CALL)		1
663	2H	*	K29-6139-12	KNOB (TUNING,P.CALL)		H
664	1J	*	K29-6122-13	KNOB (DISC SELECTOR)		1
664	2G	*	K29-6140-13	KNOB (DISC SELECTOR)		H
665	2H	*	K29-6123-13	KNOB (INPUT SELECTOR)		1
665	2H	*	K29-6141-13	KNOB (INPUT SELECTOR)		H
666	3G	*	K29-6124-14	KNOB (EJECT A)		1
666	3G	*	K29-6142-14	KNOB (EJECT A)		H
667	3G	*	K29-6125-14	KNOB (EJECT B)		1
667	3G	*	K29-6143-14	KNOB (EJECT B)		H
668	2G	*	K29-6149-14	KNOB (VOLUME CONTROL)		

L:Scandinavia

K: USA

P: Canada

W: MALAYSIA made

H: HUIZHOU made

Y: PX(Far East, Hawaii)

T: England

E:Europe

S: SINGAPORE made

I: Malaysia

Y:AAFES(Europe)

X: Australia

M: Other Areas

1: SINGAPORE, MALAYSIA made common

Δ indicates safety critical components.

PARTS LIST

RXD-F3/F4/F41/F42

\* New Parts

Parts without **Parts No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

## NO. 3

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
△ 670	3J	*	L07-1924-05	POWER TRANSFORMER	KRP	
△ 670	3J	*	L07-1925-05	POWER TRANSFORMER	TEG	
△ 670	3J	*	L07-1926-05	POWER TRANSFORMER	X	
△ 670	3J	*	L07-1928-05	POWER TRANSFORMER	MI	
B			N09-2900-08	BINDING HEAD TAPTITE SCREW		
673	1H		T90-0182-15	LEAD WIRE ANTENNA		
673	1H		T90-0801-05	LEAD WIRE ANTENNA		
674	1G		T90-0195-05	LOOP ANTENNA		
675	1G		T90-0198-05	ANTENNA ADAPTOR	TEG	
<b>RXD-F4/L</b>						
601	1G	*	A01-3229-11	METALLIC CABINET		
603	1H	*	A09-0170-08	BATTERY COVER		
606	2G	*	A21-1870-32	DRESSING PANEL (CD)		1
607	2G	*	A29-0397-02	PANEL (CD TRAY)		
608	3G	*	A53-1468-03	CASSETTE HOLDER ASSY (A DECK)		1
610	3G		A53-1470-03	CASSETTE HOLDER ASSY (B DECK)		1
612	3G	*	A53-1862-02	CASSETTE LID (A DECK)		1
613	3G	*	A53-1864-02	CASSETTE LID (B DECK)		1
615	2G	*	A60-0728-21	PANEL		1
616	1H	*	A70-1018-05	REMOTECONTROLLER ASSY(RC-F4)		
620	3G	*	B10-2100-13	FRONT GLASS (A DECK)		1
621	3G	*	B10-2101-13	FRONT GLASS (B DECK)		1
622	2G	*	B10-2106-02	FRONT GLASS (RECEIVER)	KRPYMT	1
622	2G	*	B10-2106-02	FRONT GLASS (RECEIVER)	EG	1
622	2G	*	B10-2108-02	FRONT GLASS (RECEIVER)	T	1
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-		*	B46-0307-23	WARRANTY CARD	KY	
-		*	B46-0310-03	WARRANTY CARD	TEG	
-		*	B46-0319-00	QUESTIONNAIRE CARD	T	
-		*	B58-0964-13	CAUTION CARD (UL)	KRY	
-		*	B58-0965-13	CAUTION CARD (PL)	XT	
-		*	B58-0966-13	CAUTION CARD (PL)	ME	
-		*	B58-0967-03	CAUTION CARD (PL)	P	
-		*	B58-0968-04	CAUTION CARD	Y	
-		*	B58-0970-13	CAUTION CARD (PL)	RG	
-		*	B59-1104-00	SERVICE DIRECTORY	Y	
-		*	B60-2145-00	INSTRUCTION MANUAL (ENGLISH)	KT	
-		*	B60-2146-00	INSTRUCTION MANUAL (FRENCH)	E	
-		*	B60-2147-00	INSTRUCTION MANUAL (GERMAN)	EG	
-		*	B60-2148-00	INSTRUCTION MANUAL (DUTCH)	E	
-		*	B60-2149-00	INSTRUCTION MANUAL (ITALAN)	E	
-		*	B60-2151-00	INSTRUCTION MANUAL (SPANISH)	E	
-		*	B60-2251-00	INSTRUCTION MANUAL (ENGLISH)	YMX	
-		*	B60-2252-00	INSTRUCTION MANUAL (SPANISH)	M	
-		*	B60-2334-00	INSTRUCTION MANUAL (ENGLISH)	KRP	
-		*	B60-2335-00	INSTRUCTION MANUAL (FRENCH)	P	
-		*	B60-2336-00	INSTRUCTION MANUAL (SPANISH)	R	
625	3H	*	D39-0321-05	DAMPER		
△ 630	1H		E03-0115-05	AC PLUG ADAPTER	M	
△ 632	1J		E30-2592-15	AC POWER CORD	MEG	
△ 632	1J		E30-2605-05	AC POWER CORD	Y	
△ 632	1J		E30-2650-05	AC POWER CORD	KRP	

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## NO. 4

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
△ 632	1J		E30-2717-05	AC POWER CORD	X	
△ 632	1J		E30-2721-05	AC POWER CORD	T	
635	1J,2	*	E35-1129-05	FLAT CABLE		
637	1J	*	F07-0757-03	COVER		
639	1J	*	F20-1431-04	INSULATING SHEET		
640		*	F20-1448-03	INSULATING SHEET		
641	2H	*	G01-3810-24	TORSION COIL SPRING (A DECK)		
642	3H	*	G01-3811-24	TORSION COIL SPRING (B DECK)		
643	3G	*	G02-1040-04	FLAT SPRING	KRPY	
645	1J	*	G11-2241-14	CUSHION		
-		*	H10-7017-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7018-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H13-0086-04	CARTON BOARD		
-		*	H25-0632-24	PROTECTION BAG	KRPYMX	
-		*	H25-0632-24	PROTECTION BAG	EG	
-		*	H25-0644-04	PROTECTION BAG (0632 PRINTED)	T	
-		*	H25-1509-04	PROTECTION BAG	M	
-		*	H25-1536-04	PROTECTION BAG	KRPYXT	
-		*	H25-1536-04	PROTECTION BAG	EG	
-		*	H50-1496-04	ITEM CARTON CASE	REG	W
-		*	H50-1497-04	ITEM CARTON CASE	T	W
-		*	H50-1500-04	ITEM CARTON CASE	KPYX	W
-		*	H50-1548-04	ITEM CARTON CASE	M	
-		*	H50-1563-04	ITEM CARTON CASE	REG	S
-		*	H50-1564-04	ITEM CARTON CASE	T	S
-		*	H50-1566-04	ITEM CARTON CASE	KPYX	S
647	1J		J19-2808-05	HOLDER	M	
648	1G		J19-3645-05	AM LOOP ANTENNA STAND		
△ 660	1J		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
661	3G	*	K29-6033-04	KNOB (MIC MIXING)		1
662	2H	*	K29-6120-02	KNOB (DUBB., REC. ARM)		1
663	2H	*	K29-6121-12	KNOB (TUNIG, P. COLL)		1
664	2G	*	K29-6122-13	KNOB (DISC SELECTOR)		1
665	2H	*	K29-6123-13	KNOB (INPUT SELECTOR)		1
666	3G	*	K29-6124-14	KNOB (EJECT A)		1
667	3G	*	K29-6125-14	KNOB (EJECT B)		1
668	2G	*	K29-6149-14	KNOB (VOLUME CONTROL)		
△ 670	3J	*	L07-1929-05	POWER TRANSFORMER	TEG	
△ 670	3J	*	L07-1930-05	POWER TRANSFORMER	X	
△ 670	3J	*	L07-1954-05	POWER TRANSFORMER	YM	
△ 670	3J	*	L07-2014-05	POWER TRANSFORMER	KRP	
B			N09-2900-08	BINDING HEAD TAPTITE SCREW		W
673	1H		T90-0182-15	LEAD WIRE ANTENNA		
673	1H		T90-0801-05	LEAD WIRE ANTENNA		
674	1G		T90-0195-05	LOOP ANTENNA		
675	1G		T90-0198-05	ANTENNA ADAPTOR	TEG	
<b>RXD-41</b>						
601	1G	*	A01-3231-01	METALLIC CABINET		
606	2G	*	A21-1870-32	DRESSING PANEL (CD)		1
606	2G	*	A21-1871-22	DRESSING PANEL (CD)		H
607	2G	*	A29-0397-02	PANEL (CD TRAY)		

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 Y: PX(Far East, Hawaii) T: England E: Europe S: SINGAPORE made  
 Y: AAFES(Europe) X: Australia M: Other Areas  
 1: SINGAPORE, MALAYSIA made common △ indicates safety critical components.

RXD-F3/F4/F41/F42

PARTS LIST

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## NO. 5

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
608	3G		A53-1468-03	CASSETTE HOLDER ASSY (A DECK)		1
608	3G		A53-1837-13	CASSETTE HOLDER ASSY (A DECK)		H
610	3G	*	A53-1470-13	CASSETTE HOLDER ASSY (B DECK)		1
610	3G		A53-1839-13	CASSETTE HOLDER ASSY (B DECK)		H
612	3G	*	A53-1862-02	CASSETTE LID (A DECK)		1
612	3G	*	A53-1869-02	CASSETTE LID (A DECK)		H
613	3G	*	A53-1864-02	CASSETTE LID (B DECK)		1
613	3G	*	A53-1873-02	CASSETTE LID (B DECK)		H
615	2G	*	A60-0732-11	PANEL		1
615	2G	*	A60-0743-11	PANEL		H
616	1H	*	A70-1020-05	REMOTE CONTROLLER ASSY(RC-F3)		
620	3G	*	B10-2100-13	FRONT GLASS (A DECK)		1
620	3G	*	B10-2111-13	FRONT GLASS (A DECK)		H
621	3G	*	B10-2101-13	FRONT GLASS (B DECK)		1
621	3G	*	B10-2112-13	FRONT GLASS (B DECK)		H
622	2G	*	B10-2117-22	FRONT GLASS (RECEIVER)		H
622	2G	*	B10-2139-22	FRONT GLASS (RECEIVER)		1
-		*	B46-0121-33	WARRANTY CARD	P	
-		*	B46-0307-23	WARRANTY CARD	K	
-		*	B58-0964-13	CAUTION CARD (UL)	KR	
-		*	B58-0967-03	CAUTION CARD (PL)	P	
-		*	B58-0970-13	CAUTION CARD (PL)	R	
-		*	B60-2179-00	INSTRUCTION MANUAL (ENGLISH)	KRP	
-		*	B60-2180-00	INSTRUCTION MANUAL (FRENCH)	P	
-		*	B60-2181-00	INSTRUCTION MANUAL (SPANISH)	R	
625	3H	*	D39-0322-05	DAMPER		
632	1J	*	E30-2787-05	AC POWER CORD		
635	1J,2I	*	E35-1174-05	FLAT CABLE		
637	1J	*	F07-0757-03	COVER		
639	1J	*	F20-1432-04	INSULATING SHEET		
641	2H	*	G01-3810-24	TORSION COIL SPRING		
642	3H	*	G01-3811-24	TORSION COIL SPRING		
643	3G	*	G02-1057-14	FLAT SPRING		
645	1J	*	G11-2239-14	CUSHION		
-		*	H10-7047-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7048-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H13-0086-04	CARTON BOARD		
-		*	H25-0632-24	PROTECTION BAG		
-		*	H25-1536-04	PROTECTION BAG		
-		*	H50-1549-04	ITEM CARTON CASE		H
-		*	H50-1561-04	ITEM CARTON CASE		W
-		*	H50-1568-04	ITEM CARTON CASE		S
648	1G		J19-3645-05	AM LOOP ANTENNA STAND		
660	1J		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
661	3G		K29-6033-04	KNOB (MIC MIXING)		
662	2H	*	K29-6135-02	KNOB (DUBB.,REC,ARM)		1
662	2H	*	K29-6138-02	KNOB (DUBB.,REC,ARM)		H
663	2H	*	K29-6121-12	KNOB (TUNING,P.CALL)		1
663	2H	*	K29-6139-12	KNOB (TUNING,P.CALL)		H
664	2G	*	K29-6122-13	KNOB (DISC SELECTOR)		1

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## NO. 6

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
664	2G	*	K29-6140-13	KNOB (DISC SELECTOR)		H
665	2H	*	K29-6123-13	KNOB (INPUT SELECTOR)		1
665	2H	*	K29-6141-13	KNOB (INPUT SELECTOR)		H
666	3G	*	K29-6124-14	KNOB (EJECT A)		1
666	3G	*	K29-6142-14	KNOB (EJECT A)		H
667	3H	*	K29-6125-14	KNOB (EJECT B)		1
667	3H	*	K29-6143-14	KNOB (EJECT B)		H
668	2G	*	K29-6149-14	KNOB (VOLUME CONTROL)		
670	3J	*	L07-1944-05	POWER TRANSFORMER		
B			N09-2900-08	BINDING HEAD TAPTITE SCREW		
673	1H		T90-0801-05	LEAD WIRE ANTENNA		
674	1G		T90-0195-05	LOOP ANTENNA		
<b>RXD-F42</b>						
601	1G	*	A01-3229-11	METALLIC CABINET		
603	1H	*	A09-0170-08	BATTERY COVER		
606	2G	*	A21-1870-32	DRESSING PANEL (CD)		1
607	2G	*	A29-0395-12	PANEL (CD TRAY)		
608	3G	*	A53-1468-03	CASSETTE HOLDER ASSY (A DECK)		1
610	3G	*	A53-1470-03	CASSETTE HOLDER ASSY (B DECK)		1
612	3G	*	A53-1862-02	CASSETTE LID(A DECK)		1
613	3G	*	A53-1864-02	CASSETTE LID(B DECK)		1
615	2G	*	A60-0720-21	PANEL		1
616	1H	*	A70-1020-05	REMOTE CONTROLLER ASSY(RC-F3)		
620	3G	*	B10-2100-13	FRONT GLASS (A DECK)		1
621	3G	*	B10-2101-13	FRONT GLASS (B DECK)		1
622	2G	*	B10-2102-12	FRONT GLASS (RECEIVER)		1
-		*	B58-0966-13	CAUTION CARD (ELM)		
-		*	B60-2144-00	INSTRUCTION MANUAL(ENGLISH)		
-		*	B60-2152-10	INSTRUCTION MANUAL(CHINESE)	M	
-		*	B60-2153-10	INSTRUCTION MANUAL (TAIWANESE)		
625	3H	*	D39-0321-05	DAMPER		
630	1H	*	E03-0115-05	AC PLUG ADAPTER		
632	1J	*	E30-2592-15	AC POWER CORD		
635	1J,2I	*	E35-1129-05	FLAT CABLE (33PIN)		
637	1J	*	F07-0757-03	COVER		
639	1J	*	F20-1431-04	INSULATING SHEET		
640	2J	*	F20-1448-03	INSULATING SHEET		
641	2H	*	G01-3766-24	TORSION COIL SPRING		
642	3H	*	G01-3767-24	TORSION COIL SPRING		
643	3G	*	G02-1040-04	FLAT SPRING		
-		*	H10-7017-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7018-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H13-0086-04	CARTON BOARD		
-		*	H25-0632-24	PROTECTION BAG		
-		*	H25-1509-04	PROTECTION BAG		
-		*	H50-1495-04	ITEM CARTON CASE	M	
-		*	H50-1651-04	ITEM CARTON CASE	I	
647	1J		J19-2808-05	HOLDER		
648	1G		J19-3645-05	AM LOOP ANTENNA STAND		
660	1J		J42-0083-05	POWER CORD BUSHING		

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PARTS LIST

RXD-F3/F4/F41/F42



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## NO. 7

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
-			J61-0307-05	WIRE BAND		
661	3G					
662	2H	*	K29-6120-02	K29-6033-04 KNOB (MIC MIXING)		1
663	2H	*	K29-6121-12	KNOB (DUBB., REC. ARM)		1
664	2G	*	K29-6122-13	KNOB (TUNING, P. CALL)		1
665	2H	*	K29-6123-13	KNOB (DISC SELECTOR)		1
666	3G	*	K29-6124-14	KNOB (EJECT A)		1
667	3H	*	K29-6125-14	KNOB (EJECT B)		1
668	2G	*	K29-6149-14	KNOB (VOLUME CONTROL)		
670	3J	*	L07-1932-05	POWER TRANSFORMER		
B			N09-2900-08	BINDING HEAD TAPTITE SCREW		
673	1H		T90-0182-15	LEAD WIRE ANTENNA		
673	1H		T90-0801-05	LEAD WIRE ANTENNA		
674	1G		T90-0195-05	LOOP ANTENNA		
<b>SURROUND UNIT (X08-267X-XX): RXD-F4/F4L/F42</b>						
C1 ,2			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C3 ,4			CE04LW1V100M	ELECTRO 10UF 35WV		
C5			CF92FV1H394J	MF-C 0.39UF J		
C7			CK45FF1H103Z	CERAMIC 0.010UF Z		
C8			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C9 ,10			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C13 ,14			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C15 ,16			CC45FSL1H470J	CERAMIC 47PF J		
C19 ,20			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C21 ,22			CK45FB1H102K	CERAMIC 1000PF K		
C23 ,24			CE04LW1V220M	ELECTRO 22UF 35WV		
C25 ,26			CK45FB1H222K	CERAMIC 2200PF K		
C27			CQ93FMG1H104J	MYLAR 0.10UF J	YMXTEG	
C28			CE04LW1E471M	ELECTRO 470UF 25WV		
C31 ,32			CQ93FMG1H104J	MYLAR 0.10UF J		
C35 ,36			CK45FF1H472Z	CERAMIC 4700PF Z	KRP	
C35 ,36			CQ93FMG1H822J	MYLAR 8200PF J	YMXTEG	
C37			CQ93FMG1H104J	MYLAR 0.10UF J		
C38			CE04LW1C221M	ELECTRO 220UF 16WV		
C39			CQ93FMG1H333J	MYLAR 0.033UF J		
C40			CQ93FMG1H152J	MYLAR 1500PF J		
C41			CQ93FMG1H333J	MYLAR 0.033UF J		
C42			CE04LW1C221M	ELECTRO 220UF 16WV		
C43			CK45FF1H103Z	CERAMIC 0.010UF Z		
C44			CE04LW1V100M	ELECTRO 10UF 35WV		
C45			CQ93FMG1H103J	MYLAR 0.010UF J		
C46 -48			CC45FSL1H101J	CERAMIC 100PF J		
C49			CQ93FMG1H681J	MYLAR 680PF J		
C50			CF92FV1H474J	MF-C 0.47UF J		
C51			CE04LW1C470M	ELECTRO 47UF 16WV		
C52 ,53			CQ93FMG1H104J	MYLAR 0.10UF J		
C54			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C55			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C56			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C57			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C58			CF92FV1H154J	MF-C 0.15UF J		
C59			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		

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## NO. 8

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C60 ,61			CF92FV1H154J	MF-C 0.15UF J		
C62			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C63			CF92FV1H154J	MF-C 0.15UF J		
C64			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C65			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C66			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C67			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C68 ,69			CQ93FMG1H104J	MYLAR 0.10UF J		
C70			CE04LW1C221M	ELECTRO 220UF 16WV		
C71 -74			CE04LW1V100M	ELECTRO 10UF 35WV		
C75			CE04LW1C221M	ELECTRO 220UF 16WV		
C76			CQ93FMG1H473J	MYLAR 0.047UF J		
C77			CQ93FMG1H223J	MYLAR 0.022UF J		
C78			CE04KW1E472M	ELECTRO 4700UF 25WV		
C79			CE04LW1E332M	ELECTRO 3300UF 25WV		
C80			CF92FV1H105J	MF-C 1.0UF J		
C81			CE04LW1V100M	ELECTRO 10UF 35WV		
C83			CE04LW1C101M	ELECTRO 100UF 16WV		
C84 ,85			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C94 ,95			CC45FSL1H101J	CERAMIC 100PF J		
C96			CE04LW1C220M	ELECTRO 22UF 16WV		
C97 -100			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C101			CE04LW1C470M	ELECTRO 47UF 16WV		
C102			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C103,104			CK45FF1H103Z	CERAMIC 0.010UF Z		
C105,106			CE04LW1C470M	ELECTRO 47UF16W V		
C107			CK45FF1H103Z	CERAMIC 0.010UF Z		
J1			E70-0046-05	LOCK TERMINAL BOARD		
F8 ,9		**	F01-2098-03	HEAT SINK	YMXTEG	
F8 ,9		**	F01-2111-03	HEAT SINK	KRP	
F8 ,9		**	F20-1339-05	INSULATING BOARD		
F8 ,9		**	F29-0112-05	INSULATING WASHER		
F8 ,9		**	F05-1623-05	FUSE (SEMKO) (250V T1.6AL)	YMXTEG	
F8 ,9		**	F06-2525-05	FUSE (UL) (250V 2.5A)	KRP	
CN3 -6			J13-0075-05	FUSE CLIP		
X1			L78-0290-05	RESONATOR (8MHz)		
R8			RD14NB2E2R2J	RD 2.2 J 1/4W		
R9			RN14BK2C3902F	RN 39.0K F 1/6W		
R33 ,34			RS14KB3A4R7J	FL-PROOF RS 4.7 J 1W		
R46			RD14NB2E470J	RD 47 J 1/4W		
R55			RD14NB2E182J	RD 1.8K J 1/4W		
K2			S51-2094-05	MAGNETIC RELAY	KRP	
K2			S76-0008-05	MAGNETIC RELAY	YMXTEG	
D1			HZS10N(B)	ZENER DIODE		
D1			RD10ES(B)	ZENER DIODE		
D3 ,4			HSS104A	DIODE		
D3 ,4			1SS131	DIODE		
D5			D3SBA20F03	DIODE	KRP	
D5			KBP02ML-6127	DIODE	YMXTEG	
D5			RBV-402LFA	DIODE	KRP	
D6			HZS3.9N(B2)	ZENER DIODE		

L:Scandinavia

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indicates safety critical components.

## RXD-F3/F4/F41/F42

## PARTS LIST

\* New Parts

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Teile ohne **Parts No.** werden nicht geliefert.

**NO. 9**

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D6 D6 D7 D7 D7			RD3.9ES(B2) UZ-3.9BSB H2S6.2N(B2) RD6.2ES(B2) UZ-6.2BSB	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D8 D8 IC1 IC2 IC3			HSS104A 1SS131 LA2785 LV1011 NJM4565L-D	DIODE DIODE IC(DOLBY PRO LOGIC DECODER IC) DI BI-POLAR IC IC(OP AMP X2)		
IC4 IC5 ,6 IC5 ,6 IC7 Q1 ,2		*	TDA7315 TDA2040V TDA2050V XRU4052BC 2SC2878(B)	ANALOGUE IC ANALOGUE IC ANALOGUE IC MOS-IC TRANSISTOR	YMXTEG	
Q4 Q4 Q5 Q6 Q6			2SD2012 2SD2061 2SC2003(L,K) DTA113ZS UN4119	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		
<b>AUDIO UNIT- TUNER (X09) : K. R. P. Y. M. X type</b>						
Q7 Q7			DTC124ES UN4212	DIGITAL TRANSISTOR TRANSISTOR		
C301,302 C304 C305 C308 C310			CK73FB1H103K CE04LW1A470M CK73FB1H103K CK73FB1H103K CC73FSL1H102J	CHIP C 0.010UF K ELECTRO 47UF 10WV CHIP C 0.010UF K CHIP C 0.010UF K CHIP C 1000PF J		
C311 C313 C314 C321,322 C321,322			CE04LW1H4R7M CE04LW1H010M CE04LW1H2R2M CQ93FMG1H163J CQ93FMG1H163J	ELECTRO 4.7UF 50WV ELECTRO 1.0UF 50WV ELECTRO 2.2UF 50WV MYLAR 0.016UF J MYLAR 0.016UF J	MX YMX	3 4
C321,322 C321,322 C321,322 C321,322 C323			CQ93FMG1H163J CQ93FMG1H243J CQ93FMG1H243J CQ93FMG1H243J CE04LW1H010M	MYLAR 0.016UF J MYLAR 0.024UF J MYLAR 0.024UF J MYLAR 0.024UF J ELECTRO 1.0UF 50WV	M KRP KRP KRP	2 3 4 1
C324 C325 C327 C328 C331			CE04LW1H3R3M CE04LW1V100M CK73FB1E473K CE04LW1V100M CE04LW1A470M	ELECTRO 3.3UF 50WV ELECTRO 10UF 35WV CHIP C 0.047UF K ELECTRO 10UF 35WV ELECTRO 47UF 10WV		
C332 C333 C334 C335-338 C339			CK45FF1H103Z CC73FCH1H270J CC73FCH1H220J CK73FB1H471K CE04LW1C470M	CERAMIC 0.010UF Z CHIP C 27PF J CHIP C 22PF J CHIP C 470PF K ELECTRO 47UF 16WV		
C340 C341 C342,343 C350 C351			CK73FB1H223K CE04LW1H010M CK73FB1H103K C91-0769-05 CE04LW1H010M	CHIP C 0.022UF K ELECTRO 1.0UF 50WV CHIP C 0.010UF K CERAMIC 0.010UF K ELECTRO 1.0UF 50WV		
C352			CE04LW1C470M	ELECTRO 47UF 16WV		

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**NO. 10**

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C355 C357 C361 C362 C365			CK73FB1E104K CC73FSL1H220J CK73FB1H103K CE04LW1C101M CE04LW1H010M	CHIP C 0.10UF K CHIP C 22PF J CHIP C 0.010UF K ELECTRO 100UF 16WV ELECTRO 1.0UF 50WV		
C366 C371 C372 C372 C403-406 C407			CC73FSL1H102J CE04LW1V100M CE04LW1C470M CE04LW1HR47M CK73FB1E473K	CHIP C 1000PF J ELECTRO 10UF 35WV ELECTRO 47UF 16WV ELECTRO 0.47UF 50WV CHIP C 0.047UF K		
C412 C414 C417 C418 C419			CC73FSL1H101J CK73FB1H681K CK73FB1H681K CK73FB1H103K CC73FSL1H101J	CHIP C 100PF J CHIP C 680PF K CHIP C 680PF K CHIP C 0.010UF K CHIP C 100PF J		
C421,422 C423 C424 C435,436 C435,436			CE04LW1C470M CC45FSL1H101J CC73FSL1H102J CQ93FMG1H682J CQ93FMG1H682J	ELECTRO 47UF 16WV CERAMIC 100PF J CHIP C 1000PF J MYLAR 6800PF J MYLAR 6800PF J	M YM	3 4
C435,436 C482			CQ93FMG1H682J CC73FSL1H150J	MYLAR 6800PF J CHIP C 15PF J	M	2
J301 KRPMX J301 J301 J301 1		3	E20-0476-05 E20-0476-05 E20-0476-05 E70-0051-05	LOCK TERMINAL BOARD LOCK TERMINAL BOARD(4P) LOCK TERMINAL BOARD(4P) LOCK TERMINAL BOARD	KRPYMX M	4 2
CF301,302 CF303 L310 L311 L312			L72-0531-05 L72-0574-05 L40-1091-17 L40-1021-14 L40-1091-17	CERAMIC FILTER CERAMIC FILTER SMALL FIXED INDUCTOR(1UH) SMALL FIXED INDUCTOR(1.0MH,K) SMALL FIXED INDUCTOR(1UH)		
L403 L403 L403 L403 L406			L39-1328-05 L39-1328-05 L39-1335-05 L39-1335-05 L40-1091-17	COMBINATION COIL COMBINATION COIL COMBINATION COIL COMBINATION COIL SMALL FIXED INDUCTOR(1UH)	KRPYMX KRPYMX M	3 1 4 2
X301 X301 X301 X301 X302			L77-1122-05 L77-1122-05 L77-2148-05 L77-2148-05 L78-0295-05	CRYSTAL RESONATOR(7.2MHz) CRYSTAL RESONATOR(7.2MHz) CRYSTAL RESONATOR(7.2MHz) CRYSTAL RESONATOR(7.2MHz) RESONATOR (456KHz)	KRPYMX M KRPYMX	4 2 3 1
R301 R302 R303 R304 R306			RK73FB2A681J RK73FB2A332J RK73FB2A331J RK73FB2A470J RK73FB2A331J	CHIP R 680 J 1/10W CHIP R 3.3K J 1/10W CHIP R 330 J 1/10W CHIP R 47 J 1/10W CHIP R		
R311 R315 R319 R321,322 R331			RD14NB2E101J RK73FB2A391J RK73FB2A332J RK73FB2A393J RS14KB3D221J	RD 100 J 1/4W CHIP R 390 J 1/10W CHIP R 3.3K J 1/10W CHIP R 39K J 1/10W FL-PROOF RS 220 J 2W		
R336,337 R338 R339			RK73FB2A102J RK73FB2A221J RK73FB2A822J	CHIP R 1.0K J 1/10W CHIP R 220 J 1/10W CHIP R 8.2K J 1/10W		

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**PARTS LIST**

**RXD-F3/F4/F41/F42**

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## NO. 11

Ref. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
R340			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R342			RD14NB2E101J	RD 100 J 1/4W		
R343			RK73FB2A103J	CHIP R 10K J 1/10W		
R352			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R364			RK73FB2A104J	CHIP R 100K J 1/10W		
R401,402			RK73FB2A333J	CHIP R 33K J 1/10W		
R405,406			RK73FB2A123J	CHIP R 12K J 1/10W		
R411			RD14NB2E331J	RD 330 J 1/4W		H
R411			RD14NB2E331J	RD 330 J 1/4W		1
R411			RD14NB2E470J	RD 47 J 1/4W		S
R418			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R419			RK73FB2A123J	CHIP R 12K J 1/10W		
R422			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R423			RK73FB2A123J	CHIP R 12K J 1/10W		
R424			RK73FB2A103J	CHIP R 10K J 1/10W		
R425,426			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R427,428			RD14NB2E101J	RD 100 J 1/4W		
R431,432			RK73FB2A393J	CHIP R 39K J 1/10W		
R438,439			RK73FB2A561J	CHIP R 560 J 1/10W		
R438,439			RK73FB2A561J	CHIP R 560 J 1/10W	M YM	3 4
R438,439			RK73FB2A561J	CHIP R 560 J 1/10W	M	2
R440,441			RK73FB2A473J	CHIP R 47K J 1/10W	M	3
R440,441			RK73FB2A473J	CHIP R 47K J 1/10W	YM	4
R440,441			RK73FB2A473J	CHIP R 47K J 1/10W	M	2
R451			RK73FB2A911J	CHIP R 910 J 1/10W		
R452			RK73FB2A473J	CHIP R 47K J 1/10W		
R453			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R457			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R467			RK73FB2A104J	CHIP R 100K J 1/10W		
W401,402			R92-0679-05	CHIP R 0 OHM	KRPMX	3
W401,402			R92-0679-05	CHIP R 0 OHM		1
W403			R92-0670-05	CHIP R 0 OHM		
W404,405			R92-0679-05	CHIP R 0 OHM		
W406			R92-0670-05	CHIP R 0 OHM		
W407			R92-0679-05	CHIP R 0 OHM		
W408			R92-0670-05	CHIP R 0 OHM		
W409			R92-0679-05	CHIP R 0 OHM		
W410			R92-0670-05	CHIP R 0 OHM		
W411			R92-0679-05	CHIP R 0 OHM		
W412			R92-0670-05	CHIP R 0 OHM	MX	3
W412			R92-0670-05	CHIP R 0 OHM	KRPMX	4
W412-414			R92-0670-05	CHIP R 0 OHM	M	2
W412-414			R92-0670-05	CHIP R 0 OHM	KRP	3
W501-504			R92-0670-05	CHIP R 0 OHM		1
S301			S62-0034-05	SLIDE SWITCH	M	3
S301			S62-0034-05	SLIDE SWITCH	YM	4
S301			S62-0034-05	SLIDE SWITCH	M	2
D303			HZS5.1N(B2)	ZENER DIODE		
D303			RD5.1ES(B2)	ZENER DIODE		
D303			UZ-5.1BSB	ZENER DIODE		
D304			HZS3.3N(B2)	ZENER DIODE		
D304			RD3.3ES(B2)	ZENER DIODE		
D304			UZ-3.3BSB	ZENER DIODE		

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## NO. 12

PRef. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
D307,308			HSS104	DIODE		
D307,308			1SS133	DIODE		
D311			HZS5.6N(B2)	ZENER DIODE		
D311			RD5.6ES(B2)	ZENER DIODE		
D311			UZ-5.6BSB	ZENER DIODE		
D411,412			HSS104	DIODE		
D411,412			1SS133	DIODE		
IC301			LA1831A-KEN	ANALOGUE IC		
IC302			LC7218	IC(PLL FREQUENCY SYNTHESIZER)		
IC312			NJM4565D	IC(OP AMP X2)		
Q301			2SC2714(R,O)	TRANSISTOR		
Q302			2SC1845(F,E)	TRANSISTOR		
Q303			2SC1740S(Q,R)	TRANSISTOR		
Q303			2SC2458(Y,GR)	TRANSISTOR		
Q303			2SC2785(F,E)	TRANSISTOR		
Q303			2SC3311A(Q,R)	TRANSISTOR		
Q307			2SC2412K	TRANSISTOR		
Q311			2SD863(E,F)	TRANSISTOR		
Q402			2SA1037K	TRANSISTOR		
Q404			2SA1037K	TRANSISTOR		
Q407,408			2SC2412K	TRANSISTOR	M3	
Q407,408			2SC2412K	TRANSISTOR	YM	
Q407,408			2SC2412K	TRANSISTOR	M	4 2
Q409,410			2SD1757K	TRANSISTOR		
Q411			2SA1037K	TRANSISTOR		
A301			W02-1190-05	FM FRONT-END ASSY	KRPMX	4
A301			W02-1190-05	FM FRONT-END ASSY	M	2
A301		*	W02-2520-05	FM FRONT-END ASSY	KRPMX	3
A301		*	W02-2520-05	FM FRONT-END ASSY		1
AUDIO UNIT - TUNER (X09-) : T.E.G. type						
C301,302			CK73FB1H103K	CHIP C 0.010UF K		
C303			CE04LW1V100M	ELECTRO 10UF 35WV		
C304			CK73FB1E473K	CHIP C 0.047UF K		
C305			CE04LW1V100M	ELECTRO 10UF 35WV		
C306			CK73FB1E473K	CHIP C 0.047UF K		
C307			CE04LW1V100M	ELECTRO 10UF 35WV		
C308			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C309			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C310			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C311			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C312			CK73FB1E473K	CHIP C 0.047UF K		
C313			CC73FCH1H220J	CHIP C 22PF J		
C314			CE04LW1A101M	ELECTRO 100UF 10WV		
C315			CK73FB1H472K	CHIP C 4700PF K		
C316			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C317,318			CE04LW1V100M	ELECTRO 10UF 35WV		
C319,320			CQ93FMG1H223J	MYLAR 0.022UF J		
C322			CK73FB1H102K	CHIP C 1000PF K		
C323,324			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C325,326			CK45FB1H471K	CERAMIC 470PF K		
C327			CK73FB1E473K	CHIP C 0.047UF K		
C328			CC45FSL1H150J	CERAMIC 15PF J		
C330			CE04LW1C470M	ELECTRO 47UF 16WV		
C331			CK45FF1H473Z	CERAMIC 0.047UF Z		
C332			CK73FB1H103K	CHIP C 0.010UF K		

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RXD-F3/F4/F41/F42

PARTS LIST

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NO. 13

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C333			CC73FCH1H270J	CHIP C 27PF J		
C334			CC73FCH1H220J	CHIP C 22PF J		
C335-338			CK73FB1H471K	CHIP C 470PF K		
C339			CE04LW1C470M	ELECTRO 47UF 16WV		
C340			CQ93FMG1H223J	MYLAR 0.022UF J		
C341			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C342,343			CK73FB1H103K	CHIP C 0.010UFK		
C344			CE04LW1A470M	ELECTRO 47UF 10WV		
C345			CE04LW1C470M	ELECTRO 47UF 16WV		
C346			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C347			CK73FB1H103K	CHIPC 0.010UFK		
C348			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C349			CK73FB1H103K	CHIPC 0.010UFK		
C354			CE04LW1C470M	ELECTRO 47UF 16WV		
C356			CC73FCH1H060D	CHIPC 6.0PF D		
C357			CC73FCH1H220J	CHIPC 22PF J		
C358			CK73FB1E473K	CHIPC 0.047UFK		
C359			CK45FF1H103Z	CERAMIC 0.010UFZ		
C360			CC73FSL1H101J	CHIPC 100PF J		
C361			C91-0745-05	CERAMIC 100PF K		
C362			CC45FSL1H020C	CERAMIC 2.0PF C		H
C362			CC45FSL1H030C	CERAMIC 3.0PF C		S
C363			CK73FB1H103K	CHIPC 0.010UFK		
C364			CC45FSL1H101J	CERAMIC 100PF J		
C365			CK73FB1H103K	CHIPC 0.010UFK		
J301			E20-0321-05	LOCKTERMINALBOARD		
CF301,302			L72-0536-05	CERAMICFILTER		
L303			L30-0910-05	FMIFT		
L306			L39-1325-05	COMBINATIONCOIL	T	H 3
L306			L39-1328-05	COMBINATIONCOIL	EG	H 3
L306		*	L39-1335-05	COMBINATIONCOIL	EG	S
L306		*	L39-1336-05	COMBINATIONCOIL	T	S
L307			L30-0911-05	AMIFT		
L308,309			L40-1091-17	SMALLFIXEDINDUCTOR		
L311			L40-1001-17	SMALLFIXEDINDUCTOR(10UH,K)		
X301			L77-1122-05	CRYSTALRESONATOR(7.2MHz)		4
X301			L77-2148-05	CRYSTALRESONATOR(7.2MHz)		S 3
X302		*	L78-0295-05	RESONATOR (456kHz)		H 3
R301			RK73FB2A681J	CHIPR 680 J1/10W		
R302			RK73FB2A332J	CHIPR 3.3K J1/10W		
R303			RK73FB2A331J	CHIPR 330 J1/10W		
R304			RK73FB2A100J	CHIPR 10 J1/10W		
R306			RK73FB2A331J	CHIPR 330 J1/10W		
R307			RK73FB2A392J	CHIPR 3.9K J1/10W		
R311			RK73FB2A562J	CHIPR 5.6K J1/10W		
R312			RK73FB2A302J	CHIPR 3.0K J1/10W		
R313			RK73FB2A333J	CHIPR 33K J1/10W		
R316			RK73FB2A104J	CHIPR 100K J1/10W		
R317			RK73FB2A392J	CHIPR 3.9K J1/10W		
R318			RK73FB2A333J	CHIPR 33K J1/10W		
R331			RK73FB2A822J	CHIPR 8.2K J1/10W		
R336,337			RK73FB2A102J	CHIPR 1.0K J1/10W		
R340			RK73FB2A471J	CHIPR 470 J1/10W		

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NO. 14

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
⚠ R342			RD14NB2E101J	RD 100 J 1/4W		
R343			RK73FB2A103J	CHIP R 10K J 1/10W		
R358			RK73FB2A104J	CHIP R 100K J 1/10W		
R359			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R360			RK73FB2A123J	CHIP R 12K J 1/10W	T	
R361			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R362			RK73FB2A123J	CHIP R 12K J 1/10W		
R363			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R364			RK73FB2A123J	CHIP R 12K J 1/10W		
R372			RK73FB2A122J	CHIP R 1.2K J 1/10W	T	
R373			RK73FB2A223J	CHIP R 22K J 1/10W	T	
R374			RK73FB2A123J	CHIP R 12K J 1/10W	T	
R375			RK73FB2A182J	CHIP R 1.8K J 1/10W	T	
⚠ R376			RK73FB2A104J	CHIP R 100K J 1/10W	T	
R378			RD14NB2E470J	RD 47 J 1/4W		
R379			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R381			RK73FB2A563J	CHIP R 56K J 1/10W		
W401,402			R92-0679-05	CHIP R 0 OHM		
W403			R92-0670-05	CHIP R 0 OHM		
W404,405			R92-0679-05	CHIP R 0 OHM		
W406			R92-0670-05	CHIP R 0 OHM		
W407			R92-0679-05	CHIP R 0 OHM		
W408			R92-0670-05	CHIP R 0 OHM		
W409			R92-0679-05	CHIP R 0 OHM		
W410			R92-0670-05	CHIP R 0 OHM		
W411			R92-0679-05	CHIP R 0 OHM		
W412			R92-0670-05	CHIP R 0 OHM		
D301,302			HSS104	DIODE		
D301,302			1SS133	DIODE		
D303			HZS5.1N(B2)	ZENER DIODE		
D303			RD5.1ES(B2)	ZENER DIODE		
D303			UZ-5.1BSB	ZENER DIODE		4
D304			HZS8.2N(B2)	ZENER DIODE		
D304			RD8.2ES(B2)	ZENER DIODE		
D304			UZ-8.2BSB	ZENER DIODE		4
D305			HSS104	DIODE		
D305			1SS133	DIODE		
D306			HZS3.3N(B2)	ZENER DIODE		
D306			RD3.3ES(B2)	ZENER DIODE		
D306			UZ-3.3BSB	ZENER DIODE		
D310			HSS104	DIODE	T	
D310			1SS133	DIODE	T	
IC301			LA1836	ANALOGUE IC		
IC302			LC7218	IC(PLL FREQUENCY SYNTHESIZER)		
Q301			2SC2714(R,O)	TRANSISTOR		
Q302			2SC1845(F,E)	TRANSISTOR		
Q303			2SC4081(R,S)	TRANSISTOR		
Q305			2SC1740S(Q,R)	TRANSISTOR		
Q305			2SC2458(Y,GR)	TRANSISTOR		
Q305			2SC2785(F,E)	TRANSISTOR		
Q305			2SC3311A(Q,R)	TRANSISTOR		
Q306			2SA1576(R,S)	TRANSISTOR	T	
Q307,308			2SA1576(R,S)	TRANSISTOR		
Q309			2SD863(E,F)	TRANSISTOR		

L:Scandinavia

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1: RXD-F41 2: RXD-F42

3: RXD-F3 4: RXD-F4

⚠ indicates safety critical components.

PARTS LIST

RXD-F3/F4/F41/F42

\* New Parts

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## NO. 15

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q310			2SA1048(Y,GR)	TRANSISTOR		
Q310			2SA1175(F,E)	TRANSISTOR		
Q310			2SA1309A(Q,R)	TRANSISTOR		
Q310			2SA933S(Q,R)	TRANSISTOR		
Q311,312			2SD1302(S,T)	TRANSISTOR		
Q311,312			2SD1450(S,T)	TRANSISTOR	T	
Q313-315			2SC4081(R,S)	TRANSISTOR		
A301			W02-2509-05	FM FRONT-END ASSY		
<b>AUDIO UNIT- EXCEPT TUNER (X09-)</b>						
C1 ,2			CC73FSL1H221J	CHIP C 220PF J	KRPYMX	
C1 ,2			CC73FSL1H471J	CHIP C 470PF J		
C3 -9			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C10			CE04LW1V100M	ELECTRO 10UF 35WV		
C11			CE04LW1HR22M	ELECTRO 0.22UF 50WV		
C12			CC45FSL1H220J	CERAMIC 22PF J		
C13			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C14			CQ93FMG1H223J	MYLAR 0.022UF J		
C29 ,30			CE04LW1C220M	ELECTRO 22UF 16WV		
C31			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C32			CE04LW1V100M	ELECTRO 10UF 35WV		
C33 -36			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C37			CE04LW1C220M	ELECTRO 22UF 16WV		
C38 ,39			CK73FB1E104K	CHIP C 0.10UF K		
C40			CK73FB1H562K	CHIP C 5600PF K		
C41			CF92FV1H684J	MF-C 0.68UF J		
C42 ,43			CK73FF1E154Z	CHIP C 0.15UF Z		
C44 ,45			CK73FB1H223K	CHIP C 0.022UF K		
C46			CQ93FMG1H122J	MYLAR 1200PF J		
C47			CK73FB1H222K	CHIP C 2200PF K		
C48 ,49			CK73FF1E154Z	CHIP C 0.15UF Z		
C50 ,51			CK73FB1H562K	CHIP C 5600PF K		
C71 ,72			CC45FSL1H01J	CERAMIC 100PF J		
C73 ,74		*	C90-3413-05	ALUMINIUM ELECTROLYTIC C.		
C75 -78			CQ93FMG1H103J	MYLAR 0.010UF J		
C79 ,80			CK45FB1H102K	CERAMIC 1000PF K	TEG	4
C81 ,82			CK45FB1H102K	CERAMIC 1000PF K	TEG	3
C81 ,82			CK45FB1H102K	CERAMIC 1000PF K	TEG	4
C83 ,84			CQ93FMG1H153J	MYLAR 0.015UF J	TEG	3
C83 ,84			CQ93FMG1H153J	MYLAR 0.015UF J	TEG	3
C87			CC45FSL1H331J	CERAMIC 330PF J		
C88 ,89			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C90			CK45FB1H821K	CERAMIC 820PF K		
C92			CC45FSL1H331J	CERAMIC 330PF J		
C93			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C97			CE04LW1H010M	ELECTRO 1.0UF 50WV	M	3
C97			CE04LW1H010M	ELECTRO 1.0UF 50WV	M	2
C98			CQ93FMG1H103J	MYLAR 0.010UF J	M	3
C98			CQ93FMG1H103J	MYLAR 0.010UF J	M	2
C99			CQ93FMG1H222J	MYLAR 2200PF J	M	3
C99			CQ93FMG1H222J	MYLAR 2200PF J	M	2
C100			CQ93FMG1H104J	MYLAR 0.10UF J	M	3
C100			CQ93FMG1H104J	MYLAR 0.10UF J	M	2
C101,102			CF92FV1H224J	MF-C 0.22UF J	M	3
C101,102			CF92FV1H224J	MF-C 0.22UF J	M	2

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## NO. 16

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C103			CF92FV1H105J	MF-C 1.0UF J	M	3
C103			CF92FV1H105J	MF-C 1.0UF J	M	2
C104			CE04LW1H010M	ELECTRO 1.0UF 50WV	M	3
C104			CE04LW1H010M	ELECTRO 1.0UF 50WV	M	2
C105			CQ93FMG1H222J	MYLAR 2200PF J	M	3
C105			CQ93FMG1H222J	MYLAR 2200PF J	M	2
C106			CQ93FMG1H103J	MYLAR 0.010UF J	M	3
C106			CQ93FMG1H103J	MYLAR 0.010UF J	M	2
C107			CQ93FMG1H104J	MYLAR 0.10UF J	M	3
C107			CQ93FMG1H104J	MYLAR 0.10UF J	M	2
C108			CE04LW1C470M	ELECTRO 47UF 16WV	M	3
C108			CE04LW1C470M	ELECTRO 47UF 16WV	M	2
C109			CC73FSL1H680J	CHIP C 68PF J	M	3
C109			CC73FSL1H680J	CHIP C 68PF J	M	2
C110			CE04LW1A470M	ELECTRO 47UF 10WV		
C110			CE04LW1A470M	ELECTRO 47UF 10WV	M	2
C112			CE04LW1A470M	ELECTRO 47UF 10WV		
C114			CE04LW1C470M	ELECTRO 47UF 16WV		
C115,116			C90-3561-05	ELECTRO 4700UF 50WV		
C117,118			CQ93FMG1H104J	MYLAR 0.10UF J		
C123			CE04LW1V332M	ELECTRO 3300UF 35WV		
C125			CE04LW1V471M	ELECTRO 470UF 35WV		
C128			CE04LW1H101M	ELECTRO 100UF 50WV		
C129			CE04LW1E101M	ELECTRO 100UF 25WV		
C131			CE04LW1H101M	ELECTRO 100UF 50WV		
C134			CE04LW1V330M	ELECTRO 33UF 35WV		
C135			CE04LW1V222M	ELECTRO 2200UF 35WV		
C136,137			CQ93FMG1H104J	MYLAR 0.10UF J		
C138			CE04LW1A470M	ELECTRO 47UF 10WV		
C139			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C141			CE04LW1V330M	ELECTRO 33UF 35WV		
C142			CE04LW1V221M	ELECTRO 220UF 35WV		
C144			C91-1488-05	MF 6800PF 250VAC		
C146			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C147			CE04LW1H100M	ELECTRO 10UF 50WV		
C150,151			CK45FF1H103Z	CERAMIC 0.010UF Z		
C152			CE04LW1C470M	ELECTRO 47UF 16WV		
C154,155			CE04LW1C470M	ELECTRO 47UF 16WV		
C156			CE04LW1C221M	ELECTRO 220UF 16WV		
C160			CK73FB1H471K	CHIP C 470PF K		
C163,164			CC73FSL1H101J	CHIP C 100PF J		
C166,167			CK73FB1H103K	CHIP C 0.010UF K		
C170			CK73FB1H103K	CHIP C 0.010UF K		
C171			CK45FF1H103Z	CERAMIC 0.010UF Z		
C173-176			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C177			CK73FB1H103K	CHIP C 0.010UF K		
C178			CE04LW1C100M	ELECTRO 10UF 16WV	M	3
C178			CE04LW1C100M	ELECTRO 10UF 16WV	M	2
C179,180			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C182			CE04LW1H010M	ELECTRO 1.0UF 50WV	M	3
C182			CE04LW1H010M	ELECTRO 1.0UF 50WV	M	2
C183			CE04LW1V221M	ELECTRO 220UF 35WV		
C183			CE04LW1V221M	ELECTRO 220UF 35WV		
C183			CE04LW1V221M	ELECTRO 220UF 35WV		
C183			CE04LW1V221M	ELECTRO 220UF 35WV	YMXTEG	4

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RXD-F3/F4/F41/F42

PARTS LIST



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## NO. 17

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C183			C90-3398-05	ELECTRO 220UF 35WV	KRP	4
C185,186			CC73FSL1H470	CHIP C 47PF J	TEG	3
C185,186			CC73FSL1H470J	CHIP C 47PF J	TEG	4
C187,188			CE04LW1V100M	ELECTRO 100UF 35WV		
C189,190			CE04HW1H101M	NP-ELEC 100UF 50WV		1
C191			CE04LW1H221M	ELECTRO 220UF 50WV		
C192			CE04LW1C100M	ELECTRO 100UF 16WV		
C193			CK73FB1E104K	CHIP C 0.10UF K		
C195			C91-0750-05	CERAMIC 270PF K		
C500			CK45FB1H102K	CERAMIC 1000PF K	KRP	3
C500			CK45FB1H102K	CERAMIC 1000PF K	KRPYM4	1
C601			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C602			CC45FSL1H101J	CERAMIC 100PF J	M	3
C602			CC45FSL1H101J	CERAMIC 100PF J	M	2
CN1			E40-4804-05	SOCKET FOR PIN ASSY		
CN2		*	E40-4858-05	SOCKET FOR PIN ASSY		
CN3			E40-4796-05	PIN ASSY		
CN4,5			E40-4809-05	PIN ASSY		
CN6	21	*	E40-4920-05	FLAT CABLE CONNCTOR		
CN7			E40-4284-05	FLAT CABLE CONNCTOR		
CN7,8			E40-4297-05	FLAT CABLE CONNCTOR	M	2
CN8			E40-4298-05	FLAT CABLE CONNCTOR		
CN201			E40-4245-05	PIN ASSY	TEG	3
CN202			E40-4245-05	PIN ASSY		
J1			E63-0096-05	PHONO JACK		1S
J1			E63-0096-05	PHONO JACK		4S
J1			E63-0096-05	PHONO JACK	M	2
J1			E63-0096-05	PHONO JACK		W
J1			E63-0096-05	PHONO JACK		4W
J1		*	E63-0144-05	PHONO JACK		3H
J1		*	E63-0144-05	PHONO JACK		1H
J2,3		*	E11-0283-05	MINIATURE PHONE JACK MIC1/MIC2		
J4		*	E11-0280-05	PHONE JACK		1H
J4		*	E11-0280-05	PHONE JACK		3H
J4		*	E11-0282-05	PHONE JACK		4
J4		*	E11-0282-05	PHONE JACK	M	1S
J4		*	E11-0282-05	PHONE JACK		2
J4		*	E11-0282-05	PHONE JACK		3S
J5			E70-0032-05	LOCK TERMINAL BOARD	KRP	3
J5			E70-0032-05	LOCK TERMINAL BOARD		4
J5			E70-0048-05	LOCK TERMINAL BOARD	MXTEG	1
J5			E70-0048-05	LOCK TERMINAL BOARD	YMXTEG	3
J5			E70-0048-05	LOCK TERMINAL BOARD	M	4
J5			E70-0048-05	LOCK TERMINAL BOARD		2
Δ J6			E03-0316-05	AC OUTLET		
Δ F1			F05-6029-05	FUSE (UL) (125V 6A)	KRP	3
Δ F1			F05-6029-05	FUSE (UL) (125V 6A)	KRP	4
Δ F1			F05-6029-05	FUSE (UL) (125V 6A) 1		
Δ F1,2			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	M	3
Δ F1,2			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	YM	4
Δ F1,2			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	M	2
Δ F3,4			F05-5025-05	FUSE (SEMKO) (250V T5A L)	MXTEG	3
Δ F3,4			F05-5025-05	FUSE (SEMKO) (250V T5A L)	YMXTEG	4

L: Scandinavia Y: PX(Far East, Hawaii) Y: AAFES(Europe) 4: RXD-F4  
 K: USA T: England X: Australia  
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 W: MALAYSIA made S: SINGAPORE made 3: RXD-F3  
 H: HUIZHOU made 1: RXD-F41

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## NO. 18

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Δ F3,4			F05-5025-05	FUSE (SEMKO) (250V T5A L)	M	2
Δ F3,4			F05-6029-05	FUSE (UL) (125V 6A)	KRP	3
Δ F3,4			F05-6029-05	FUSE (UL) (125V 6A)	KPR	4
Δ F3,4			F05-6029-05	FUSE (UL) (125V 6A)		1
Δ F5			F06-1022-05	FUSE (SEMKO) (250V T1AL)	MXTEG	3
Δ F5			F06-1022-05	FUSE (SEMKO) (250V T1AL)	YMXTEG	4
Δ F5			F06-1022-05	FUSE (SEMKO) (250V T1AL)	M	2
Δ F5			F06-1222-05	FUSE (UL) (250V 1.25A)	KRP	3
Δ F5			F06-1222-05	FUSE (UL) (250V 1.25A)	KPR	4
Δ F5			F06-1222-05	FUSE (UL) (250V 1.25A)		1
Δ F6			F04-2025-05	FUSE (UL) (250V 2A)	KRP	3
Δ F6			F04-2025-05	FUSE (UL) (250V 2A)	KRP	4
Δ F6			F04-2025-05	FUSE (UL) (250V 2A)		1
Δ F6			F05-1623-05	FUSE (SEMKO) (250V T1.6AL)	MXTEG	3
Δ F6			F05-1623-05	FUSE (SEMKO) (250V T1.6AL)	YMXTEG	4
Δ F6			F05-1623-05	FUSE (SEMKO) (250V T1.6AL)	M	2
Δ F7			F50-0062-05	FUSE(5X20)	KRP	3
Δ F7			F50-0062-05	FUSE(5X20)	KRP	4
Δ F7			F50-0062-05	FUSE(5X20)		1
-		*	J21-6254-14	MOUNTING HARDWARE	TEG	
-		*	J21-6255-14	MOUNTING HARDWARE	TEG	
-			J61-0307-05	WIRE BAND		3
-			J61-0307-05	WIRE BAND	TEG	
CN101-108			J13-0075-05	FUSE CLIP		
CN109,110			J13-0075-05	FUSE CLIP	M	2
CN109,110			J13-0075-05	FUSE CLIP	M	3
CN109,110			J13-0075-05	FUSE CLIP	YM	4
CN111,112			J13-0075-05	FUSE CLIP	KRPM	3
CN111,112			J13-0075-05	FUSE CLIP	KRPYM	4
CN111,112			J13-0075-05	FUSE CLIP	M	2
CN113,114			J13-0075-05	FUSE CLIP	KRP	4
CN113,114			J13-0075-05	FUSE CLIP	KRP	3
CN113,114			J13-0075-05	FUSE CLIP		1
L1,2			L39-0085-05	PHASE COMPENSATION COIL	TEG	3
L1,2			L39-0085-05	PHASE COMPENSATION COIL	TEG	4
R1			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R4-7			RK73FB2A224J	CHIP R 220K J 1/10W		
R8			RK73EB2B224J	CHIP R 220K J 1/8W		
R9-12			RK73FB2A224J	CHIP R 220K J 1/10W		
R14			RK73FB2A224J	CHIP R 220K J 1/10W		
R43,44			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R51,52			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R55,56			RK73FB2A104J	CHIP R 100K J 1/10W		
R107-110			RD14NB2E100J	RD 10 J 1/4W		
R111-114			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		
R119		*	RK73EB2B683J	CHIP R 68K J 1/8W		
R121-124			RD14NB2E681J	RD 680 J 1/4W		
R125,126			RD14NB2E4R7J	RD 4.7 J 1/4W	TEG	3
R125,126			RD14NB2E4R7J	RD 4.7 J 1/4W	TEG	4
R170			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R171		*	RK73FB2A332J	CHIP R 3.3K J 1/10W		
R172			RK73FB2A561J	CHIP R 560 J 1/10W		
R173		*	RK73EB2B562J	CHIP R 5.6K J 1/8W		
R176,177			RK73EB2B103J	CHIP R 10K J 1/8W		

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RXD-F3/F4/F41/F42

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## NO. 19

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R178,179			RK73EB2B681J	CHIP R 680 J 1/8W		
R185			RS14KB3A152J	FL-PROOF RS 1.5K J 1W		
R187			RK73FB2A823J	CHIP R 82K J 1/10W		
R188			RK73FB2A104J	CHIP R 100K J 1/10W		
R189			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R190			RK73FB2A473J	CHIP R 47K J 1/10W		
R191			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R192			RK73FB2A103J	CHIP R 10K J 1/10W		
R194			RK73FB2A103J	CHIP R 10K J 1/10W		
R195			RS14KB3D150J	FL-PROOF RS 15 J 2W		1
R195			RS14KB3D330J	FL-PROOF RS 33 J 2W		3
R195			RS14KB3D330J	FL-PROOF RS 33 J 2W		4
R195			RS14KB3D330J	FL-PROOF RS 33 J 2W	M	2
R197			RK73FB2A103J	CHIP R 10K J 1/10W		4
R198			RS14KB3D330J	FL-PROOF RS 33 J 2W		4
R199			RK73FB2A682J	CHIP R 6.8K J 1/10W	MXTEG	3
R199			RK73FB2A682J	CHIP R 6.8K J 1/10W	YMXTG	4
R199			RK73FB2A682J	CHIP R 6.8K J 1/10W	M	2
R201			RS14KB3A330J	FL-PROOF RS 33 J 1W	MXTEG	3
R201			RS14KB3A330J	FL-PROOF RS 33 J 1W	YMXTG	4
R201			RS14KB3A330J	FL-PROOF RS 33 J 1W	M	2
R207			RD14NB2E100J	RD 10 J 1/4W		
R209			RD14NB2E220J	RD 22 J 1/4W		
R210,211			RD14NB2E100J	RD 10 J 1/4W		
R212			RD14NB2E101J	RD 100 J 1/4W		
R215,216			RK73FB2A222J	CHIP R 2.2K J 1/10W	MXTEG	3
R215,216			RK73FB2A222J	CHIP R 2.2K J 1/10W		4
R215,216			RK73FB2A222J	CHIP R 2.2K J 1/10W	M	2
R217,218			RK73FB2A224J	CHIP R 220K J 1/10W		
R220			RK73FB2A103J	CHIP R 10K J 1/10W		
R221			RK73EB2B103J	CHIP R 10K J 1/8W		
R226			RK73FB2A391J	CHIP R 390 J 1/10W		
R228			RK73FB2A101J	CHIP R 100 J 1/10W		
R254			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R256			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R258			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R259			RK73EB2B183J	CHIP R 18K J 1/8W		
R261-263			RK73FB2A104J	CHIP R 100K J 1/10W		
R265,266			RK73FB2A103J	CHIP R 10K J 1/10W	MXTEG	3
R265,266			RK73FB2A103J	CHIP R 10K J 1/10W		4
R265,266			RK73FB2A103J	CHIP R 10K J 1/10W	M	2
R269,270			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R271			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R272			RD14NB2E121J	RD 120 J 1/4W	M	3
R272			RD14NB2E121J	RD 120 J 1/4W	M	2
R273			R92-1769-05	CARBON 3.3M J 1/2W	KRP	3
R273			R92-1769-05	CARBON 3.3M J 1/2W	KRP	4
R273			R92-1769-05	CARBON 3.3M J 1/2W		1
R274			RK73FB2A473J	CHIP R 47K J 1/10W		
R276			RK73FB2A225J	CHIP R 2.2M J 1/10W	M	3
R276			RK73FB2A225J	CHIP R 2.2M J 1/10W	M	2
VR1			R31-0002-05	VARIABLE RESISTOR		
VR2			R31-0028-05	VARIABLE RESISTOR		
W501-505			R92-0670-05	CHIP R 0 OHM	TEG	
W512			R92-0679-05	CHIP R 0 OHM	TEG	

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## NO. 20

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
W513			R92-0679-05	CHIP R 0 OHM	T	
W516			R92-0670-05	CHIP R 0 OHM	TEG	
W518-522			R92-0670-05	CHIP R 0 OHM	EG	
W521			R92-0670-0	CHIP R 0 OHM	T	
Δ K1			S51-2094-05	MAGNETIC RELAY		4
Δ K2			S51-2093-05	MAGNETIC RELAY	MXTEG	3
Δ K3			S51-2093-05	MAGNETIC RELAY	M	2
Δ K3			S51-2093-05	MAGNETIC RELAY	YMXTG	4
Δ K3			S51-2093-05	MAGNETIC RELAY		
Δ K4			S51-1052-05	MAGNETIC RELAY		1
Δ S1			S31-2322-05	SLIDE SWITCH 120-/220/230-	M	3
Δ S1			S31-2322-05	SLIDE SWITCH 120-/220/230-	YM	4
Δ S1			S31-2322-05	SLIDE SWITCH 120-/220/230-	M	2
Δ D1			D3SBA20F03	DIODE		
Δ D1			RBV-402LFA	DIODE		
Δ D2			KBP02ML-6127	DIODE		
Δ D3 -9			S5688B	DIODE		
Δ D3 -9			1SR139-100	DIODE		
Δ D10,11			HSS104A	DIODE		
Δ D10,11			1SS131	DIODE		
Δ D12,13			HZS5.6N(B2)	ZENER DIODE		
Δ D12,13			RD5.6ES(B2)	ZENER DIODE		
Δ D12,13			UZ-5.6BSB	ZENER DIODE		
Δ D14,15			HZS13N(B2)	ZENER DIODE		
Δ D14,15			RD13ES(B2)	ZENER DIODE		
Δ D14,15			UZ-13BSB	ZENER DIODE		
Δ D16			HZS16N(B2)	ZENER DIODE		
Δ D16			RD16ES(B2)	ZENER DIODE		
Δ D16			UZ-16BSB	ZENER DIODE		
Δ D16			UZ-16BSB	ZENER DIODE	M	4
Δ D16			UZ-16BSB	ZENER DIODE		2
Δ D17 -19			HSS104A	DIODE		3
Δ D17 -19			1SS131	DIODE		
Δ D20			HSS104A	DIODE		4
Δ D20			1SS131	DIODE		4
Δ D21			HSS104A	DIODE	YMXTG	4
Δ D21			HSS104A	DIODE	MXTEG	3
Δ D21			HSS104A	DIODE	M	2
Δ D21			1SS131	DIODE		
Δ D21			1SS131	DIODE	YMXTG	4
Δ D21			1SS131	DIODE	MXTEG	3
Δ D22			MA111	DIODE	M	2
Δ D23,24			HSS104A	DIODE		
Δ D23,24			1SS131	DIODE		
Δ D25,26			HZS6.2N(B2)	ZENER DIODE		
Δ D25,26			RD6.2ES(B2)	ZENER DIODE		
Δ D25,26			UZ-6.2BSB	ZENER DIODE		
Δ D28			HSS104A	DIODE		
Δ D28			1SS131	DIODE		
Δ D30,31			MA111	DIODE		
Δ D32,33			HSS104A	DIODE		
Δ D32,33			1SS131	DIODE		
Δ D34			HZS6.2N(B2)	ZENER DIODE	M	3
Δ D34			HZS6.2N(B2)	ZENER DIODE	M	2

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RXD-F3/F4/F41/F42

PARTS LIST

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**NO. 21**

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D34			RD6.2ES(B2)	ZENER DIODE	M	3
D34			RD6.2ES(B2)	ZENER DIODE	M	2
D34			UZ-6.2BSB	ZENER DIODE	M	3
D34			UZ-6.2BSB	ZENER DIODE	M	2
D36 -39			HSS104A	DIODE		
Δ D36 -39			1SS131	DIODE		1
Δ D40			HSS104A	DIODE		1
Δ D40			1SS131	DIODE		
Δ D41			HZS8.2N(B2)	ZENER DIODE		
Δ D41			RD8.2ES(B2)	ZENER DIODE		
Δ D41			UZ-8.2BSB	ZENER DIODE		
Δ D43 ,44			HSS104A	DIODE		
Δ D43 ,44			1SS131	DIODE		
Δ D45 ,46			HZS10N(B2)	ZENER DIODE	MXTEG	3
Δ D45 ,46			HZS10N(B2)	ZENER DIODE	YMXTEG	4
Δ D45 ,46			HZS10N(B2)	ZENER DIODE	M	2
Δ D45 ,46			HZS30N(B)	ZENER DIODE	KRP	3 H
Δ D45 ,46			HZS30N(B)	ZENER DIODE		1
Δ D45 ,46			RD10ES(B2)	ZENER DIODE	MXTEG	3
Δ D45 ,46			RD10ES(B2)	ZENER DIODE	YMXTEG	4
Δ D45 ,46			RD10ES(B2)	ZENER DIODE	M	2
Δ D45 ,46			RD30ES(B)	ZENER DIODE	KRP	3 H
Δ D45 ,46			RD30ES(B)	ZENER DIODE		1
Δ D45 ,46			UZ-10BSB	ZENER DIODE	KRPMX	4
Δ D45 ,46			UZ-10BSB	ZENER DIODE	M	2
Δ D50			S5688B	DIODE		
Δ D50			1SR139-100	DIODE		
Δ D51			HSS104A	DIODE		
Δ D51			1SS131	DIODE		
Δ D60			S5688B	DIODE		
Δ D60			1SR139-100	DIODE		
Δ D61 -64			MA111	DIODE		
Δ D65			S5688B	DIODE		
Δ D65			1SR139-100	DIODE		
Δ D603,604			HZS30N(B)	ZENER DIODE	KRP	3
Δ D603,604			HZS30N(B)	ZENER DIODE	KRP	4
Δ D603,604			HZS30N(B)	ZENER DIODE		1
Δ D603,604			RD30ES(B)	ZENER DIODE	KRP	3
Δ D603,604			RD30ES(B)	ZENER DIODE	KRP	4
Δ D603,604			RD30ES(B)	ZENER DIODE		1
Δ IC1			NJU7313AM	ANALOGUE IC		
Δ IC2			NJM4565M	IC(OP AMP X2)		
Δ IC3			NJM4565D-D	IC(OP AMP X2)		
Δ IC3			XRA15218-DX	IC(OP AMP X2)		
Δ IC7			NJM4565MD	IC(OP AMP X2)		
Δ IC8			M65844P	DI BI-POLAR IC	M	3
Δ IC8			M65844P	DI BI-POLAR IC	M	2
Δ IC10			BU4066BCF	IC(ANALOG SWITCH X4)	M	3
Δ IC10			BU4066BCF	IC(ANALOG SWITCH X4)	M	2
Δ IC11			BU4094BCF	MOS-IC		
Δ IC12			TDA7345D	ANALOGUE IC		
Δ IC14			TA7805TS	IC(VOLTAGE REGULATOR/+5.75V)		
Δ IC15			NJM4565M	IC(OP AMP X2)		
Δ Q9 ,10			2SC4137(V,W)	TRANSISTOR		
Δ Q11 ,12			2SD2493	TRANSISTOR		

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H: HUIZHOU made  
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**NO. 22**

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Δ Q13 ,14			2SB1624	TRANSISTOR		
Q15 ,16			2SC1740S(Q,R)	TRANSISTOR		
Q15 ,16			2SC2458(Y,GR)	TRANSISTOR		
Q15 ,16			2SC2785(F,E)	TRANSISTOR		
Q15 ,16			2SC3311A(Q,R)	TRANSISTOR		
Q17 ,18			2SC4081(R,S)	TRANSISTOR	MXTEG	3
Q19			2SC3246	TRANSISTOR	YMXTEG	4
Q19			2SC3246	TRANSISTOR	M	2
Q19			2SC3246	TRANSISTOR		
Δ Q20			2SD1893	TRANSISTOR		
Q21			2SC4081(R,S)	TRANSISTOR		
Q22			2SC1740S(Q,R)	TRANSISTOR		
Q22			2SC2458(Y,GR)	TRANSISTOR		
Q22			2SC2785(F,E)	TRANSISTOR		
Q22			2SC3311A(Q,R)	TRANSISTOR		
Δ Q26 ,27			2SB1370	TRANSISTOR		
Δ Q26 ,27			2SB1375	TRANSISTOR		
Δ Q28			2SA954(L,K)	TRANSISTOR		
Q29			2SA1576(R,S)	TRANSISTOR		
Q30			3(L,K)	TRANSISTOR		
Q32			2SA1576(R,S)	TRANSISTOR		
Q33			2SC1740S(Q,R)	TRANSISTOR		
Q33			2SC2458(Y,GR)	TRANSISTOR		
Q33			2SC2785(F,E)	TRANSISTOR		
Q33			2SC3311A(Q,R)	TRANSISTOR		
Q34 ,35			DTC124EU	DIGITAL TRANSISTOR		
Q34 ,35			UN5212	TRANSISTOR		
Q41			3(L,K)	TRANSISTOR	MXTEG	4
Q43 ,44			2SC1845(F,E)	TRANSISTOR		3
Q43 ,44			2SC1845(F,E)	TRANSISTOR		4
Q43 ,44			2SC1845(F,E)	TRANSISTOR	M	2
<b>CONTOL UNIT (X11-3600-00) : RXD-F42</b>						
C1 -4			CE04LW1V4R7M	ELECTRO	4.7UF	35WV
C5 ,6			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C11			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C12 ,13			CK45FB1H102K	CERAMIC	1000PF	K
C14			CK45FB1H332K	CERAMIC	3300PF	K
C15			CK45FB1H102K	CERAMIC	1000PF	K
C17			CK45FB1H152K	CERAMIC	1500PF	K
C18			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C21 -23			CQ93FMG1H683J	MYLAR	0.068UF	J
C24 ,25			CC45FSL1H100D	CERAMIC	10PF	D
C26			CE04LW1C470M	ELECTRO	47UF	16WV
C28			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C29			CK45FB1H152K	CERAMIC	1500PF	K
C30			CK45FB1H561K	CERAMIC	560PF	K
C32			CK45FB1H102K	CERAMIC	1000PF	K
C34 ,35			CK45FB1H102K	CERAMIC	1000PF	K
C36			CK45FB1H821K	CERAMIC	820PF	K
C37			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C38 -40			CQ93FMG1H104J	MYLAR	0.10UF	J
C41 -43			CC45FSL1H101J	CERAMIC	100PF	J
C44			CE04LW1C470M	ELECTRO	47UF	16WV
C51			CE04LW1C470M	ELECTRO	47UF	16WV

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**PARTS LIST**

**RXD-F3/F4/F41/F42**

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## NO. 23

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C52 C53, 54 C56, 57			CE04LW1C101M CQ93FMG1H104J CK45FF1H103Z	ELECTRO 100UF 16WV MYLAR 0.10UF J CERAMIC 0.010UF Z		
X1		*	L78-0626-05	RESONATOR (16M)		
R51			RD14NB2E100J	RD 10 J 1/4W		
D1 D1 D1 IC1 IC2			HZS6.2N(B2) RD6.2ES(B2) UZ-6.2BSB M65840SP XRU4052BC	ZENER DIODE ZENER DIODE ZENER DIODE MOS-IC MOS-IC		
IC3 IC4 IC4 IC5, 6 Q1			NJM4565L-D TA7805S UPC7805AHF NJM4565L-D DTC124ES	IC(OP AMP X2) IC(VOLTAGE REGULATOR/ +5V) IC(VOLTAGE REGULATOR/ +5V) IC(OP AMP X2) DIGITAL TRANSISTOR		
Q1			UN4212	DIGITAL TRANSISTOR		
<b>DISPLAY UNIT (X14-)</b>						
D56 -60 D61 -67 D69		*	B30-2462-05 B30-2476-05 B30-1291-05	LED(GRN) LED LED	M	2
C2 C3 C4 C5, 6 C7, 8			C90-3258-05 CK73FF1C105Z CK73FB1H102K CC73FSL1H101J C90-3253-05	ELECTRO 10UF 50WV CHIP C 1.0UF Z CHIP C 1000PF K CHIP C 100PF J ELECTRO 1.0UF 50WV		
C9 C10 C11 C12 C13			C90-3212-05 C90-3253-05 CK73FB1H103K CK73FCH1H180J CK73FCH1H220J	ELECTRO 47UF 6.3WV ELECTRO 1.0UF 50WV CHIP C 0.010UF K CHIP C 18PF J CHIP C 22PF J		
C16 C17 C18 C20, 21 C22			CE04LW1V470M C91-0769-05 C90-3216-05 CK73FB1H103K CK73FF1C105Z	ELECTRO 47UF 35WV CERAMIC 0.010UF K ELECTRO 330UF 6.3WV CHIP C 0.010UF K CHIP C 1.0UF Z		
C23, 24 C25 C26, 27 C28 C29, 30			CC73FSL1H561J CK73FF1C105Z CK73FB1H222K CK73FF1C105Z CK73FB1E153K	CHIP C 560PF J CHIP C 1.0UF Z CHIP C 2200PF K CHIP C 1.0UF Z CHIP C 0.015UF K		
C31 C32, 33 C34 C35 C36 -38			CK73FF1C105Z CK73FB1E104K C90-3244-05 CK73FB1E104K CC73FSL1H470J	CHIP C 1.0UF Z CHIP C 0.10UF K ELECTRO 10UF 35WV CHIP C 0.10UF K CHIP C 47PF J		
C301, 302 C301, 302 C301, 302 C303, 304 C303, 304			CF92FV1H564J CF92FV1H564J CF92FV1H564J CE04LW1H2R2M CE04LW1H2R2M	MF-C 0.56UF J MF-C 0.56UF J MF-C 0.56UF J ELECTRO 2.2UF 50WV ELECTRO 2.2UF 50WV	M	3 4 2 3 4
C303, 304 C305, 306			CE04LW1H2R2M CC73FSL1H181J	ELECTRO 2.2UF 50WV CHIP C 180PF J	M	2 3

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## NO. 24

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C305, 306 C305, 306 C307, 308 C309, 310 C311, 312			CC73FSL1H181J CC73FSL1H181J CE04LW1V100M CE04LW1H2R2M CK73FB1H102K	CHIP C 180PF J CHIP C 180PF J ELECTRO 10UF 35WV ELECTRO 2.2UF 50WV CHIP 1000PF K	M	4 2
C313, 314 C313, 314 C315, 316 C315, 316 C317, 318			CC73FSL1H470J CC73FSL1H470J CK45FB1H222K CK45FB1H222K CC45FSL1H101J	CHIP C 47PF J CHIP C 47PF J CERAMIC 2200PF K CERAMIC 2200PF K CERAMIC 100PF J	XTEG XTEG XTEG XTEG KRP	3 4 3 4 3
C317, 318 C317, 318 C317, 318 C317, 318 C317, 318			CC45FSL1H101J CC45FSL1H101J CC45FSL1H221J CC45FSL1H221J CC45FSL1H680J	CERAMIC 100PF J CERAMIC 100PF J CERAMIC 220PF J CERAMIC 220PF J CERAMIC 68PF J	KRP KRP XTEG XTEG M	4 1 3 4 3
C317, 318 C317, 318 C319, 320 C321, 322 C321, 322			CC45FSL1H680J CC45FSL1H680J CE04LW1A101M CC73FSL1H681J CC73FSL1H681J	CERAMIC 68PF J CERAMIC 68PF J ELECTRO 100UF 10WV CHIP C 680PF J CHIP C 680PF J	YM M M M YM	4 2 3 3 4
C321, 322 C321, 322 C321, 322 C321, 322 C321, 322			CC73FSL1H681J CK73FB1H102K CK73FB1H102K CK73FB1H102K CK73FB1H152K	CHIP C 680PF J CHIP C 1000PF K CHIP C 1000PF K CHIP 1000PF K CHIP C 1500PF K	M KRP KRP XTEG XTEG	2 3 4 1 3
C321, 322 C331, 332 C333 C334			CK73FB1H152K CE04LW1C470M CE04HW1H2R2M CE04LW1H101M	CHIP C 1500PF K ELECTRO 47UF 16WV NP-ELEC 2.2UF 50WV ELECTRO UF 50WV	XTEG	4
CN1 CN2 CN301, 302		*	E40-4796-05 E40-4857-05 E40-4810-05	PIN ASSY PIN ASSY SOCKET FOR PIN ASSY		
		*	J19-3759-13 J19-3782-03 J19-3782-03	HOLDER HOLDER HOLDER	M	2 1
X1 X2			L77-2111-05 L78-0605-05	CRYSTAL RESONATOR(32.768kHz) RESONATOR (8.38MHz)		
CP1 CP2 CP3 R3 R7			R90-0803-05 R90-0864-05 R90-0820-05 RK73FB2A202J RK73FB2A101J	MULTI-COMP 100KX7 J 1/4W MULTI-COMP 100KX14 MULTI-COMP 47K X12 CHIP R 2.0K J 1/10W CHIP R J 1/10W		
R12 R13 -15 R17, 18 R28 -31 R48			RK73FB2A101J RK73FB2A101J RK73FB2A101J RK73FB2A101J RK73FB2A102J	CHIP R J 1/10W CHIP R J 1/10W CHIP R J 1/10W CHIP R J 1/10W CHIP R 1.0K J 1/10W		4
R50 R51 R52 R53 R54, 55			RK73FB2A472J RK73FB2A102J RK73FB2A103J RK73FB2A104J RK73FB2A472J	CHIP R 4.7K J 1/10W CHIP R 1.0K J 1/10W CHIP R 10K J 1/10W CHIP R 100K J 1/10W CHIP R 4.7K J 1/10W		
R67 -72			RK73FB2A104J	CHIP R 100K J 1/10W		

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RXD-F3/F4/F41/F42

PARTS LIST

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**NO. 25**

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R74			RK73FB2A104J	CHIP R 100K J 1/10W		
R75			RK73FB2A473J	CHIP R 47K J 1/10W		
R76			RK73FB2A101J	CHIP R 100 J 1/10W		
R79			RK73FB2A474J	CHIP R 470K J 1/10W		
R80			RK73FB2A475K	CHIP R 4.7M K 1/10W		
R81,82			RK73FB2A101J	CHIP R 100 J 1/10W		
R84			RK73FB2A101J	CHIP R 100 J 1/10W		
R85-87			RK73FB2A103J	CHIP R 10K J 1/10W		
R91,92			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R93			RK73FB2A302J	CHIP R 3.0K J 1/10W		
R95,96			RK73FB2A103J	CHIP R 10K J 1/10W		
R97-103			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R106			RK73FB2A101J	CHIP R 100 J 1/10W		
R121			RK73FB2A223J	CHIP R 22K J 1/10W		
R123			RK73FB2A223J	CHIP R 22K J 1/10W		
R125			RK73FB2A223J	CHIP R 22K J 1/10W		
R127			RK73FB2A223J	CHIP R 22K J 1/10W		
R129			RK73FB2A223J	CHIP R 22K J 1/10W		
R131			RK73FB2A223J	CHIP R 22K J 1/10W		
R133			RK73FB2A223J	CHIP R 22K J 1/10W		
R134			RK73FB2A103J	CHIP R 10K J 1/10W		
R135			RK73FB2A223J	CHIP R 22K J 1/10W		
R136			RK73FB2A103J	CHIP R 10K J 1/10W		
R137			RK73FB2A223J	CHIP R 22K J 1/10W		
R138			RK73FB2A103J	CHIP R 10K J 1/10W		
R139			RK73FB2A223J	CHIP R 22K J 1/10W		
R141			RK73FB2A223J	CHIP R 22K J 1/10W		
R143			RK73FB2A223J	CHIP R 22K J 1/10W		
R145			RK73FB2A223J	CHIP R 22K J 1/10W		
R147			RK73FB2A223J	CHIP R 22K J 1/10W		
R148			RK73EB2B103J	CHIP R 10K J 1/8W		
R149			RK73FB2A223J	CHIP R 22K J 1/10W		
R150			RK73FB2A103J	CHIP R 10K J 1/10W		
R152			RK73FB2A223J	CHIP R 22K J 1/10W		
R152			RK73FB2A223J	CHIP R 22K J 1/10W		
R152			RK73FB2A223J	CHIP R 22K J 1/10W		
R154			RK73FB2A364J	CHIP R 360K J 1/10W		
R155,156			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R157			RK73FB2A364J	CHIP R 360K J 1/10W		
R158			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R159			RK73FB2A364J	CHIP R 360K J 1/10W		
R164			RK73FB2A364J	CHIP R 360K J 1/10W		
R165,166			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R167			RK73FB2A364J	CHIP R 360K J 1/10W		
R168			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R169,170			RK73FB2A364J	CHIP R 360K J 1/10W		
R171,172			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R173			RK73FB2A364J	CHIP R 360K J 1/10W		
R174			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R175,176			RK73FB2A364J	CHIP R 360K J 1/10W		
R177,178			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R179			RK73FB2A364J	CHIP R 360K J 1/10W		
R180			RK73FB2A362J	CHIP R 3.6K J 1/10W		
R181			RK73FB2A364J	CHIP R 360K J 1/10W		
R194			RK73FB2A104J	CHIP R 100K J 1/10W		

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\* New Parts

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**NO. 26**

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R301			RK73FB2A101J	CHIP R 100 J 1/10W		
R307,308			RK73FB2A101J	CHIP R 100 J 1/10W		
R307,308			RK73FB2A101J	CHIP R 100 J 1/10W		
R307,308			RK73FB2A101J	CHIP R 100 J 1/10W		
R309,310			RK73FB2A301J	CHIP R 300 J 1/10W		
R309,310			RK73FB2A301J	CHIP R 300 J 1/10W		
R311,312			RK73FB2A471J	CHIP R 470 J 1/10W		
R311,312			RK73FB2A471J	CHIP R 470 J 1/10W		
R311,312			RK73FB2A471J	CHIP R 470 J 1/10W		
R313,314			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R313,314			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R313,314			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R315,316			RK73FB2A103J	CHIP R 10K J 1/10W		
R317,318			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R319			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R321			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R325,326			RK73FB2A103J	CHIP R 10K J 1/10W		
R327,328			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R340,341			RD14NB2E470J	RD 47 J 1/4W		
R347			RD14NB2E101J	RD 100 J 1/4W		
R351,352			RK73FB2A104J	CHIP R 100K J 1/10W		
W202,203			R92-0670-05	CHIP R 0 OHM		
W205			R92-0670-05	CHIP R 0 OHM		
W207			R92-0679-05	CHIP R 0 OHM		
W209			R92-0670-05	CHIP R 0 OHM		
W210			R92-0679-05	CHIP R 0 OHM		
W215			R92-0670-05	CHIP R 0 OHM		
W216,217			R92-0679-05	CHIP R 0 OHM		
W223			R92-0670-05	CHIP R 0 OHM		
W225			R92-0670-05	CHIP R 0 OHM		
W401,402			R92-0670-05	CHIP R 0 OHM		
S1-8			31-05	TACT SWITCH		
S9			31-05	TACT SWITCH		
S9			31-05	TACT SWITCH		
S10			31-05	TACT SWITCH		
S11			31-05	TACT SWITCH		
S11			31-05	TACT SWITCH		
S12			31-05	TACT SWITCH		
S13			31-05	TACT SWITCH		
S13			31-05	TACT SWITCH		
S14-32			31-05	TACT SWITCH		
S33			T99-0559-05	ROTARY ENCODER VOLUME CONTROL		
D1-15			HSS104A	DIODE		
D1-15			1SS131	DIODE		
D16			MA111	DIODE		
D16			MA111	DIODE		
D16			MA111	DIODE		
D17			HSS104A	DIODE		
D17			HSS104A	DIODE		
D17			1SS131	DIODE		
D17			1SS131	DIODE		
D18			HSS104A	DIODE		

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PARTS LIST

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## NO. 27

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D18			1SS131	DIODE	KRPM	3
D18 ,19			HSS104A	DIODE		1
D18 ,19			HSS104A	DIODE	M	2
D18 ,19			1SS131	DIODE		1
D18 ,19			1SS131	DIODE	M	2
D19			HSS104A	DIODE	EG	4
D19			1SS131	DIODE	EG	4
D20			HSS104A	DIODE	T	4
D20			HSS104A	DIODE	T	3
D20			1SS131	DIODE	T	4
D20			1SS131	DIODE	T	3
D21			HSS104A	DIODE	MXEG	4
D21			HSS104A	DIODE	YMXEG	4
D21			HSS104A	DIODE	M	2
D21			1SS131	DIODE	MXEG	3
D21			1SS131	DIODE	YMXEG	4
D21			1SS131	DIODE	M	2
D22			MA111	DIODE	M	3
D22			MA111	DIODE	YM	4
D22			MA111	DIODE	M	2
D23			HSS104A	DIODE	XEG	3
D23			HSS104A	DIODE	XEG	4
D23			1SS131	DIODE	XEG	3
D23			1SS131	DIODE	XEG	4
D24 -27			MA111	DIODE		
D28 -39			HSS104A	DIODE		
D28 -39			1SS131	DIODE		
D40 -43			MA111	DIODE		
D44			HSS104A	DIODE		
D44			1SS131	DIODE		
D50 -55			HSS104A	DIODE		
D50 -55			1SS131	DIODE		
D68			HZS5.1N(B2)	ZENER DIODE		
D68			RD3.1ES(B2)	ZENER DIODE		
D68			UZ-5.1BSB	ZENER DIODE		4
D68			UZ-5.1BSB	ZENER DIODE	M	2
D72			HSS104A	DIODE		
D72			1SS131	DIODE		
D73 ,74			MA111	DIODE		
D75 -80			HSS104A	DIODE		
D75 -80			1SS131	DIODE		
D301			HZS3.9N(B2)	ZENER DIODE		
D301			RD3.9ES(B2)	ZENER DIODE		
D301			UZ-3.9BSB	ZENER DIODE		4
D301			UZ-3.9BSB	ZENER DIODE	M	2
ED1		*	BJ344GK	INDICATOR TUBE		
ED1		*	FIP8AMW6R	INDICATOR TUBE		
IC1		*	M38198MC-053FP	MI-COM IC		
IC2		*	NJU3718G	MOS-IC		
IC3		*	PST993D-T	ANALOGUE IC		
IC3			S-806D-Z	ANALOGUE IC		
IC4 ,5			NJM4565D	IC(OP AMP X2)		
IC301			NJM4565D-D	IC(OP AMP X2)		
Q1 -8			2SC4081	TRANSISTOR		
Q9 -24			2SA1576	TRANSISTOR	M	3

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## NO. 28

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q9 -24			2SA1576	TRANSISTOR	YM	4
Q9 -24			2SA1576	TRANSISTOR	M	2
Q10 -24			2SA1576	TRANSISTOR		3
Q10 -24			2SA1576	TRANSISTOR		4
Q10 -24			2SA1576	TRANSISTOR		1
Q301,302			2SC1845(F,E)	TRANSISTOR		3
Q301,302			2SC1845(F,E)	TRANSISTOR	M	4
Q301,302			2SC1845(F,E)	TRANSISTOR		2
Q303-306			2SC2878(B)	TRANSISTOR		
Q307-310			2SC1845(F,E)	TRANSISTOR		
Q311,312			2SA992(F,E)	TRANSISTOR		
Q313			2SA1048(Y,GR)	TRANSISTOR		
Q313			2SA1175(F,E)	TRANSISTOR		
Q313			2SA1309A(Q,R)	TRANSISTOR		
Q313			2SA933S(Q,R)	TRANSISTOR		
A1			W02-1174-05	ELECTRIC CIRCUIT MODULE		
A1			W02-1191-05	ELECTRIC CIRCUIT MODULE		
<b>RECORD/ PLAY BACK UNIT (X28-)</b>						
C1 ,2			CK45FB1H681K	CERAMIC 680PF K		
C3 ,4			CE04LW1V100M	ELECTRO 10UF 35WV		
C5 ,6			CK45FB1H391K	CERAMIC 390PF K		
C7 ,8			CE04LW1C470M	ELECTRO 47UF 16WV		
C9 ,10			CQ93FMG1H153J	MYLAR 0.015UF J		
C11 ,12			CK45FB1H222K	CERAMIC 2200PF K		
C13 -16			CC45FSL1H221J	CERAMIC 220PF J		
C19 ,20			CK45FB1H681K	CERAMIC 680PF K		
C21 ,22			CE04LW1V100M	ELECTRO 10UF 35WV		
C23 ,24			CK45FB1H391K	CERAMIC 390PF K		
C25 ,26			CE04LW1C470M	ELECTRO 47UF 16WV		
C27 ,28			CQ93FMG1H223J	MYLAR 0.022UF J		
C29 ,30			CK45FB1H682K	CERAMIC 6800PF K		
C31 ,32			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C33 ,34			CQ93FMG1H333J	MYLAR 0.033UF J		
C35 ,36			CK45FB1H222K	CERAMIC 2200PF K		
C37 -40			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C41 ,42			CQ93FMG1H393J	MYLAR 0.039U F J		
C43 ,44			CE04LW1H0R1M	ELECTRO 0.1UF 50WV		
C45 ,46			CE04LW1V100M	ELECTRO 10UF 35WV		
C47 ,48			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C49 ,50			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C51 ,52			CE04LW1A101M	ELECTRO 100UF 10WV		
C53 ,54			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C55 ,56			C91-1436-05	FILM 220PF J		
C57 ,58			C91-1434-05	FILM 150PF J		
C59 -62			CK45FF1H223Z	CERAMIC 0.022UF Z		
C63 ,64			CK45FB1H561K	CERAMIC 560PF K		
C65 ,66			CK45FF1H103Z	CERAMIC 0.010UF Z		
C101			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C102			CE04LW1C220M	ELECTRO 22UF 16WV		
C103			CE04LW1C101M	ELECTRO 100UF 16WV		
C104			CE04LW1H0R1M	ELECTRO 0.1UF 50WV		
C105			CQ93FMG1H103J	MYLAR 0.010UF J		
C106			CK45FB2H471K	CERAMIC 470PF K		
C107			CQ93HP2A103J	MYLAR 0.010UF J		

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RXD-F3/F4/F41/F42

PARTS LIST

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**NO. 29**

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C108			CC45FSL2H100D	CERAMIC 10PF D		
C109			CE04LW1V100M	ELECTRO 10UF 35WV		
C110			CQ93FMG1H103J	MYLAR 0.010UF J		
C111,112			CQ93FMG1H562J	MYLAR 5600PF J		
C113			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C114,115			CK45FF1H103Z	CERAMIC 0.010UF Z		
C116,117			CE04LW1C101M	ELECTRO 100UF 16WV		
C118			CK45FF1H103Z	CERAMIC 0.010UF Z		
C119			CC45FSL1H271J	CERAMIC 270PF J		
C120			CC45FSL1H271J	CERAMIC 270PF J		
CN1			E40-3247-05	PIN ASSY		
CN2			E40-3249-05	PIN ASSY		
CN3,4			E40-4609-05	PIN ASSY		
CN5			E40-0512-05	PIN ASSY		
CN6			E40-4804-05	SOCKET FOR PIN ASSY		
L1 -4			L40-1035-20	SMALL FIXED INDUCTOR(10MH,J)		
L5 ,6			L79-1201-05	LC FILTER		
L7 ,8			L32-0547-05	BIAS OSCILATING COIL		
L9			L32-0570-05	BIAS OSCILATING COIL		
R120			RD14NB2E100J	RD 10 J 1/4W		
R165			RD14NB2E100J	RD 10 J 1/4W		
VR1,2			R12-0606-05	TRIMMING POT.(330)		
VR3,4			R12-0605-05	TRIMMING POT.(220)		
VR7,8			R12-1619-05	TRIMMING POT.(4.7K)		
VR52			R12-1619-05	TRIMMING POT.(4.7K)		
K1			S51-2089-05	MAGNETIC RELAY		
K1			18-05	MAGNETIC RELAY		
D1 ,2			HSS104	DIODE		
D1 ,2			1SS133	DIODE		
D4 ,6			HSS104	DIODE		
D4 ,6			1SS133	DIODE		
D7			RD2.7ES(B2)	ZENER DIODE		
D7			UZ-2.7BSB	ZENER DIODE		
D8			HSS104	DIODE		
D8			1SS133	DIODE		
IC1 ,2			TA8125S	IC(2CH PRE AMP)		
IC3			HA12182F	ANALOGUE IC		
IC4			UPC1297CA	IC(DOL HX PRO SYSTEM)		
IC5			BA10393	IC(DUAL COMPALATOR)		
IC6,7			BU4094BC	MOS-IC		
Q1 ,2			DTC124ES	DIGITAL TRANSISTOR		
Q1 ,2			UN4212	TRANSISTOR		
Q3 ,4			2SD1302(S,T)	TRANSISTOR		
Q3 ,4			2SD1450(S,T)	TRANSISTOR		
Q51			DTC124ES	DIGITAL TRANSISTOR		
Q51			UN4212	TRANSISTOR		
Q52			2SC1740S(Q,R)	TRANSISTOR		
Q52			2SC2458(Y,GR)	TRANSISTOR		
Q52			2SC2785(F,E)	TRANSISTOR		
Q52			2SC3311A(Q,R)	TRANSISTOR		
Q53			DTA124ES	DIGITAL TRANSISTOR		
Q53			UN4112	TRANSISTOR		
Q54 ,55			2SC1845(F,E)	TRANSISTOR		

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**NO. 30**

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q56 ,57			2SC1740S(Q,R)	TRANSISTOR		
Q56 ,57			2SC2458(Y,GR)	TRANSISTOR		
Q56 ,57			2SC2785(F,E)	TRANSISTOR		
Q56 ,57			2SC3311A(Q,R)	TRANSISTOR		
Q58			2SC3940A(R,S)	TRANSISTOR		
Q59			2SC1740S(Q,R)	TRANSISTOR		
Q59			2SC2458(Y,GR)	TRANSISTOR		
Q59			2SC2785(F,E)	TRANSISTOR		
Q59			2SC3311A(Q,R)	TRANSISTOR		
Q60			2SA992(F,E)	TRANSISTOR		
Q61			DTC124ES	DIGITAL TRANSISTOR		
Q61			UN4212	TRANSISTOR		
Q63 -65			2SC3246	TRANSISTOR		
<b>CD PLAYER UNIT (X32-)</b>						
C1			CQ93FMG1H103J	MYLAR 0.010UF J		
C2			CQ93FMG1H472J	MYLAR 4700PF J		
C3			CC45FSL1H470J	CERAMIC 47PF J		
C4			CF92FV1H474J	MF-C 0.47UF J		
C5			CE04LW1A101	M ELECTRO 10UF 10WV		
C6			CQ93FMG1H104J	MYLAR 0.10UF J		
C7			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C8			CQ93FMG1H104J	MYLAR 0.10UF J		
C9			CQ93FMG1H333J	MYLAR 0.033UF J		
C10			CC45FSL1H101J	CERAMIC 100PF J		
C11			CQ93FMG1H102J	MYLAR 1000PF J		
C12			CC45FSL1H221J	CERAMIC 220PF J		
C13			CQ93FMG1H473J	MYLAR 0.047UF J		
C14			CE04LW1V100M	ELECTRO 10UF 35WV		
C15			CE04HW1E100M	NP-ELEC 10UF 25WV		
C16 -18			CQ93FMG1H103J	MYLAR 0.010UF J		
C19			CQ93FMG1H333J	MYLAR 0.033UF J		
C20			CE04LW0J331M	ELECTRO 330UF 6.3WV		
C21			CK45FF1H103Z	CERAMIC 0.010UF Z		
C22			CE04LW1A101M	ELECTRO 10UF 10WV		
C23			CF92FV1H224J	MF-C 0.22UF J		
C24 ,25			CE04LW1A101M	ELECTRO 100UF 10WV		
C26			CC45FSL1H270J	CERAMIC 27PF J		
C27			CQ93FMG1H222J	MYLAR 2200PF J		
C28			CQ93FMG1H333J	MYLAR 0.033UF J		
C29			CQ93FMG1H103J	MYLAR 0.010UF J		
C30			CQ93FMG1H222J	MYLAR 2200PF J		
C35 ,36			CE04HW1H010M	NP-ELEC 1.0UF 50WV		
C37			CE04LW1A470M	ELECTRO 47UF 10WV		
C38			CQ93FMG1H332J	MYLAR 3300PF J		
C39			CK45FF1H103Z	CERAMIC 0.010UF Z		
C40			CQ93FMG1H473J	MYLAR 0.047UF J		
C41			CQ93FMG1H152J	MYLAR 1500PF J		
C42			CQ93FMG1H103J	MYLAR 0.010UF J		
C43			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C45			CE04LW0J331M	ELECTRO 330UF 6.3WV		
C46			CE04LW1A470M	ELECTRO 47UF 10WV		
C55			CE04LW0J331M	ELECTRO 330UF 6.3WV		
C56			CE04LW1A331M	ELECTRO 330UF 10WV		
C57 ,58			CC45FSL1H221J	CERAMIC 220PF J		

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C59 -62 C63 ,64 C65 ,66 C67 C68 ,69			CQ93FMG1H391K CQ93FMG1H222J CE04LW1H010M CE04LW1A101M CE04LW1A471M	MYLAR 390PF K MYLAR 2200PF J ELECTRO 1.0UF 50WV ELECTRO 100UF 10WV ELECTRO 470UF 10WV		
C70 C71 C72 C73 C74 ,75			CE04LW1HR47M CE04LW1A470M CE04LW1C470M CK45FF1H223Z CE04LW1V100M	ELECTRO 0.47UF 50WV ELECTRO 47UF 10WV ELECTRO 47UF 16WV CERAMIC 0.022UF Z ELECTRO 10UF 35WV		
C76 C77 C79 -82			CC45FSL1H331J CC45FSL1H271J CK45FF1H223Z	CERAMIC 330PF J CERAMIC 270PF J CERAMIC 0.022UF Z		
CN1 CN2 CN3 CN4 CN5	1I		E40-4856-05 E40-0711-05 E40-4377-05 E40-4763-05 E40-3247-05	FLAT CABLE CONNCTOR PIN ASSY PIN ASSY PIN ASSY PIN ASSY		
CN6 CN7	1J		E40-4762-05 E40-4173-05 J11-0098-05	PIN ASSY FLAT CABLE CONNCTOR WIRE CLAMPER		
L1 X1			L40-1001-17 L78-0299-05	SMALL FIXED INDUCTOR(10UH,K) RESONATOR (16.93M)		
VR1 VR3 VR4			R12-3688-05 R12-3685-05 R12-3687-05	TRIMMING POT.(47K) TRIMMING POT.(10K) TRIMMING POT.(33K)		
D1 -6 D1 -6 D7 D7 D7			HSS104 1SS133 HZS3.3N(B2) MTZJ3.3(B) RD3.3ES(B2)	DIODE DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D10 ,11 D10 ,11 IC1 IC2 IC3		*	HSS104 1SS133 CXA1782BQ CXD2508AQ BA6398FP	DIODE DIODE MOS-IC MOS-IC ANALOGUE IC		
IC4 ,5 IC6 IC7 IC8 Q1		*	TA8409S BU4094BC NJM2100D M5237L 2SC1740S(Q,R)	IC(MOTOR CONTROL) MOS-IC ANALOGUE IC ANALOGUE IC TRANSISTOR		
Q1 Q1 Q1 Q2 Q3			2SC2458(Y,GR) 2SC2785(F,E) 2SC3311A(Q,R) 2SA954(L,K) DTA124ES	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR		
Q3 Q4 Q5 Q5 Q5			UN4112 2SA954(L,K) 2SC1740S(Q,R) 2SC2458(Y,GR) 2SC2785(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q5			2SC3311A(Q,R)	TRANSISTOR		

L:Scandinavia

K: USA

P: Canada

1: RXD-F41 2: RXD-F42

Y: PX(Far East, Hawaii)

T: England

E: Europe

3: RXD-F3 4: RXD-F4

Y:AAFES(Europe)

X: Australia

M: Other Areas

⚠ indicates safety critical components.

\* New Parts

Parts without **Parts No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

NO. 32

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q6 Q7 Q7 Q8 Q8			2SA1534A(R,S) DTC124ES UN4212 2SB1375 2SB1565(E,F)	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q9 ,10 Q9 ,10 Q9 ,10 Q9 ,10 Q11 ,12			2SA1048(Y,GR) 2SA1175(F,E) 2SA1309A(Q,R) 2SA933S(Q,R) 2SC2878(B)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
CD MECHANISM (D40-1412-08)						
101 102	3B 3A	*	A10-3119-08 A15-0089-08	CHASSIS (MAIN) FRAME (MD-B)		
105 107 108 109 110	2A 2B 2A 2B 2A	*	D10-3533-08 D10-3459-08 D10-3460-08 D10-3496-08 D10-3606-08	SLIDER (LIFT) LEVER (LOCK) LEVER (BRAKE) FRICTION ARM ASSY FEED SHAFT		
113 114 115 117 118	1A 2B 2B 3A 1A		D13-1599-08 D13-1600-08 D13-1601-08 D13-1603-08 D13-1604-08	GEAR (IDLER) GEAR (LOAD) GEAR (CENTER) CAM GEAR(UP/DOWN) GEAR (HELICAL)		
119 120 122 123 125	2A 2B,3B 2B 2B 2B		D13-1720-08 D14-0361-08 D15-0366-08 D16-0363-08 D21-1762-08	GEAR ROLLER (TRAY) PULLEY (LOAD) DRIVE BELT SHAFT (PULLEY)		
132 133 134 135 136	1B,2B 1B,3B 2A,1B 3A,1B 3A,1B	*	E35-0811-08 E35-1184-08 E35-1185-08 E35-1186-08 E35-1187-08	3P WIRE 6P WIRE 6P FLAT WIRE 6P WIRE (TU-D) 16P FFC		
137 140 141	3A 1A 2B		E40-3264-05 F07-0732-08 F07-0736-08	CONNECTOR COVER (TRAY) COVER		
145 146 148 149 150	3A 3A 3A 2B 2A	*	G01-3806-08 G01-3807-08 G01-3663-08 G01-3664-08 G01-3665-08	SPRING (MD-G) SPRING (MD-H) SPRING (CAM) SPRING (LOCK) SPRING (BRAKE)		
151 152 153	2A 1A,1B 3B	*	G01-3768-08 G16-0821-04 G16-0856-08	SPRING (LEFT) SHEET (TRAY) FILAMENT TAPE		
155 156 157 158 159	2A 2B 1B 2B 2B,3B	*	J02-1133-08 J11-0301-08 J19-3758-08 J19-3660-08 J19-3661-08	INSULATOR CLAMPER BRACKET (CLAMP) BRACKET (GEAR) BRACKET (TRAY)		
160 161 162	3A 1A 1A		J61-0081-05 J99-0541-08 J99-0542-08	SK BINDER SKB-100 TRAY (SLIDE) TRAY (ROTARY)		
L			N09-2658-08	SCREW		

L:Scandinavia

K: USA

P: Canada

1: RXD-F41 2: RXD-F42

Y: PX(Far East, Hawaii)

T: England

E: Europe

3: RXD-F3 4: RXD-F4

Y:AAFES(Europe)

X: Australia

M: Other Areas

⚠ indicates safety critical components.

## PARTS LIST

RXD-F3/F4/F41/F42

\* New Parts  
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Teile ohne **Parts No.** werden nicht geliefert.

**NO. 33**

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
M N P Q			N09-3053-08 N09-3107-08 N09-3140-08 N09-3141-08	SCREW SCREW SCREW SCREW		
165 166 167	2B 1A,2A 3A		S33-2061-05 15-08 38-08	LEVER SWITCH LEVER SWITCH JPS1220-0201 LEAF SWITCH		
170 171 DM FM LM	1B 1B 3A 3A 3B		T50-1055-04 T99-0544-05 A11-1082-08 T42-0817-08 T42-0682-08	YOKE MAGNET TT CHASSIS ASSY MOTOR GEAR (FEED) MOTOR PULLEY ASSY		
PU RTM	3A 2B		41-05 T42-0683-08	PICKUP (KSS-213B/S-N) MOTOR WORM ASSY		
<b>CASSETTE DECK MECHANISM (D40-1427-08)</b>						
401 403 404	2C,3D 1D,3E 1D,2E	*	A10-3174-08 A10-3240-08 D01-0184-08	HEAD CHASSIS CHSSIS OUTSART ASSY FLYWHEEL (LW) ASSY		
405 406 407 408 409	1E 2F 1C 3F 2D,3F	*	D01-0185-08 D01-0186-08 D10-3468-08 D10-3469-08 D10-3470-08	FLYWHEEL (A) ASSY FLYWHEEL (B) ASSY INTER LOCK ARM (L)(A DECK) INTER LOCK ARM (R)(B DECK) TRIGGER ARM		
410 412 413 414 415	2D,3F 1C 3E 2C,3D 1D,2E		D10-3471-08 D10-3476-08 D10-3477-08 D10-3478-08 D10-3479-08	HEAD CHANGE ARM EJECT LEVER (L) (A DECK) EJECT LEVER (R) (B DECK) SELET LEVER SHIFT LEVER		
416 420 421 422 423	2C,3D 3C 1C,2D 2C,2D 1D,2F		D10-3480-08 D13-0981-08 D13-1616-08 D13-1617-08 D13-1618-08	C/R LEVER ROTATION GEAR REW GEAR REEL GEAR IDLER GEAR		
424 425 426 427 428	3C,3D 1D,2E 2D,3E 2C,3D 1D,2F		D13-1621-08 D13-1622-08 D14-0367-08 D14-0368-08 D15-0369-08	RETURN GEAR CAM GEAR PINCH ARM (R) ASSY PINCH ARM (L) ASSY IDLER PULLEY		
429 430 431 432 433	2F 1E 1E 1E,2F 2C,3D	*	D16-0393-08 D16-0392-08 D15-0387-08 D16-0391-08 D19-0270-18	DRIVE BELT (BW) DRIVE BELT (AW) PULLEY (A) CLUTCH BELT REEL CAP (A)		
434	1C,1E		D19-0287-08	CLUTCH ARM ASSY		
439 440 441 442 443	1E,1F 3C 3C 1F 3C	*	E35-0396-08 E35-1242-08 E35-1243-08 E35-0986-08 G01-3790-08	15P FLAT RIBBON WIRE 3P HEAD WIRE ASSY (A DECK) 5P HEAD WIRE ASSY (B DECK) MOTOR WIRE EARTH SPRING (B)		
444 445 446 447	2D,3F 2C,3D 1C,2D 2D,3F		G01-3712-08 G01-3709-08 G01-3710-08 G01-3711-08	HEAD CHANGE ARM SP B.T SPRING SHIFT LEVER SP TRIGGER ARM SP		

L:Scandinavia  
Y: PX(Far East, Hawaii)  
Y:AAFES(Europe)

K: USA  
T: England  
X: Australia

P: Canada  
E:Europe  
M: Other Areas

1: RXD-F41 2: RXD-F42  
3: RXD-F3 4: RXD-F4

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**NO. 34**

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
448 449 450 451 452	2E,3D 1C,3F 2C,3D 2C,3D 2C,3D		G01-3720-08 G01-3713-08 G01-3714-08 G01-3715-08 G01-3716-08	HEAD RETURN PLAY SP EJECT SP C/R LEVER SP SELECT LEVER SP SHIFT SP		
453 454 455 456 457	1C 3C,3D 3C,3D 2D,3F 2C,3D		G01-3717-08 G01-3718-08 G01-3719-08 G01-3723-08 G01-3739-08	INTER LOCK SP (L) RETURN SP FWD SP INTER LOCK SP (R) HEAD CHSSIS SP		
458 459 460 461 462	2D,3E 1C,2E 1C,2E 1D,2E 1C,2D		G01-3721-08 G01-3722-08 G01-3724-08 G01-3725-08 G02-0913-08	BRAKE SP (R) BRAKE SP (L) CLUTCH ARM SPRING (B) CLUTCH SP PACK SPRING		
463 464 465 466 467	3C 2C,3D 3C 1D,2F 2D,3E	*	G02-1068-08 G02-1071-08 G11-2100-08 G11-2205-08 G16-0791-08	AZIMUTH SP (B) LIFT BKT HEAD WIRE CLAMP TUBE REFLECT SEAL		
469 470 471 472 473	3C 1E,2F 2C,3D 1D 2D	*	J21-6184-08 J19-3652-08 J21-6135-08 J21-6307-08 J21-6308-08	HEAD PLATE ASSY CABLE HOLDER HEAD RETURN PLATE BKT (B) ASSY MECHA BKT		
474 475 476 477	2C,3D 2D,3E 3C,3D 2C,3D		J42-0183-08 J69-0086-08 J39-0188-08 J90-0832-08	REEL BUSH FILAMENT TAPE HEAD BASE SHIFT SPRING GUIDE		
AA AB AC AD AE			N19-1316-08 N19-1354-08 N19-1288-08 N19-1355-08 N19-1385-08	POLY WASHER POLY WASHER POLY WASHER NYLON WASHER POLY WASHER		
AF AG AH AK AL		*	N19-1386-08 N19-1387-08 N19-1388-08 N19-1035-08 N19-1396-08	POLY WASHER TEFRON WASHER POLY WASHER POLY WASHER POLY WASHER		
AM S T U V			N19-1384-08 N09-1497-08 N09-2871-08 N09-2876-08 N09-3135-08	POLY WASHER TAP TITE SCREW TAPPING SCREW HEAD SCREW (RVS) BIND TAP TITE SCREW		
W Y Z		*	N09-3195-08 N09-2901-08 N09-3112-08	TAP TITE SCREW BIND TAP TITE SCREW AZIMUTH SCREW		
480 481	1E,2F 1E,2F		S74-0033-08 S74-0042-08	REC SWITCH PLAY SWITCH		
484 485 MM PH RPEH	1E,2F 1E,2F 2F 2C 3C	*	T94-0233-08 T95-0125-08 T42-0813-08 T31-0066-08 R/P ERASE	SOLENOID ASSY PHOTO INTERRUPTER MOTOR ASSY PLAYBACK HEAD MK10P-AB215 HEAD YK56R-AA405		

L:Scandinavia  
Y: PX(Far East, Hawaii)  
Y:AAFES(Europe)

K: USA  
T: England  
X: Australia

P: Canada  
E:Europe  
M: Other Areas

1: RXD-F41 2: RXD-F42  
3: RXD-F3 4: RXD-F4

⚠ indicates safety critical components.

PARTS LIST  
RXD-F3/F4/F41/F42

# RXD-F3/F4/F41/F42

## SPECIFICATIONS

### Amplifier section

Rated power output

54 watts per channel minimum RMS. both channels driven, at 6Ω, 1 kHz with no more than 10 % total harmonic distortion.

Input sensitivity / Impedance

AUX .....200mV/47kΩ

MIC .....2.4mV/2.2kΩ

Signal to noise ratio

AUX .....86dB(IHF'66)

### FM tuner section

Tuning frequency range .....87.5MHz ~ 108MHz

Sensitivity (IHF) .....13.2dBf(1.2μV at 75Ω)

### AM Tuner section

Tuning frequency range

9kHz step .....531kHz ~ 1,602kHz

10kHz step .....530kHz ~ 1,610kHz

Usable sensitivity .....12μV/(500μV/m)

### Cassette deck section

Track .....4-track, 2-channel stereo

Recording system.....AC bias system  
(Frequency: 105 khz)

Heads

A deck Playback head.....1

B deck Playback /recording head .....1

Erasing head.....1

Motors .....1

Fast winding time.....Approx. 120 seconds  
(C-60 tape)

### Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

### CD player section

Laser .....Semiconductor laser

Playing rotation .....200 rpm ~ 500 rpm (CLV)

Wow & Flutter .....Unmeasurable Limit

### General

Power consumption .....150 W

Dimensions .....W : 270mm

H : 305mm

D : 341mm

Weight (net) .....8kg

## KENWOOD CORPORATION

14-6,Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150 Japan

### KENWOOD SERVICE CORPORATION

P.O BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

### KENWOOD ELECTRONICS CANADA INC.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

### KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O BOX 55-2791, Piso 6 plaza Chase, Cl. 47 y Aquilino de la Guardia Panama, Republic de Panama

### TRIO-KENWOOD U.K. LIMITED

KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB., United Kingdom

### KENWOOD ELECTRONICS BENELUX N.V.

Meachelsesteenweg 418, B-1930 Zaventem, Belgium

### KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker Str. 15, 63150 Hausenstamm, Germany

### TRIO-KENWOOD FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

### KENWOOD ELECTRONICS ITALIA S.p.A.

Via G. Sirtori, 7/9 20129, Milano, Italy

### KENWOOD IBERICA S.A.

Bolivia, 239-08020 Barcelona, Spain

### KENWOOD ELECTRONICS AUSTRALIA PTY. LTD. (A.C.N. 001499 074)

P.O Box 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

### KENWOOD & LEE ELECTRONICS, LTD.

Unit 3712-3724, Level 37, Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong N.T., Hong Kong

### KENWOOD ELECTRONICS SINGAPORE PTE LTD.

No. 1 Genting Lane # 07-00, KENWOOD Building, Singapore, 1334

### KENWOOD ELECTRONICS (MALAYSIA) SDN BHD

10th Floor, Block B, Wisma Semantan, No. 12 Jalan Gelenggang, Bukit Damansara, 50490 Kuala Lumpur, Malaysia

COMPACT DISC STEREO SYSTEM

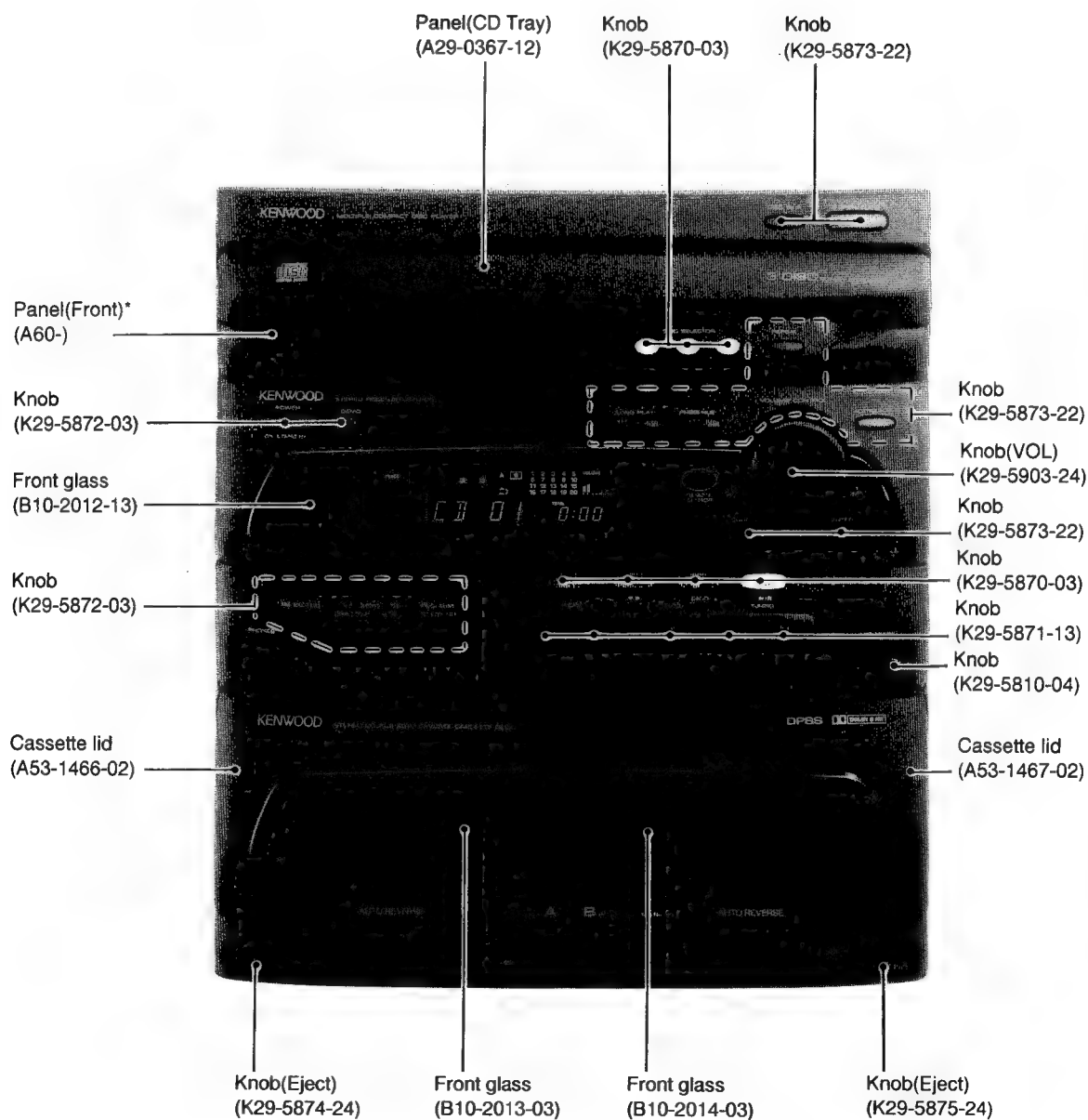
# RXD-C3/C3L

## SERVICE MANUAL

(UD-302 main unit)

# KENWOOD

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B51-4869-00(S) 3941



\*Refer to parts list on page 67.



# RXD-C3/C3L

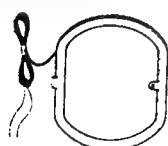

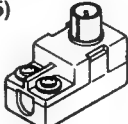
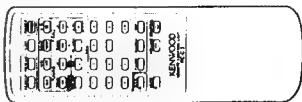
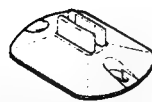
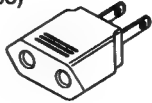
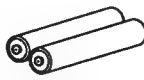
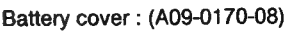
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### System configuration

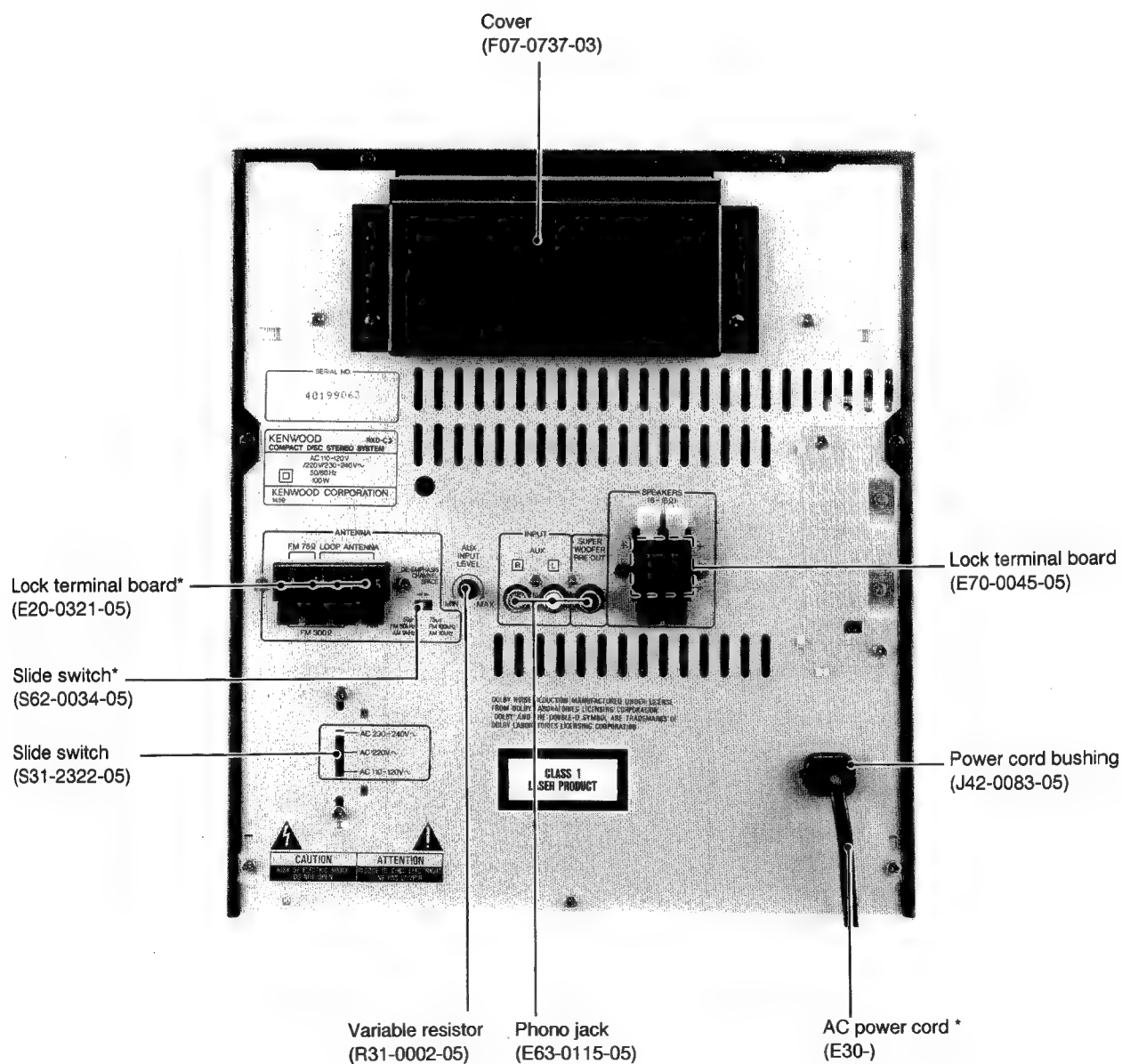
SYSTEM NAME	MAIN UNIT	SPEAKER
UD-302	RXD-C3/C3L	LS-C3

### Accessories

<p>AM loop antenna assy .....(1) (T90-0195-05)</p> 	<p>FM indoor antenna .....(1) (T90-0175-05)</p> 	<p>Antenna adaptor (75<math>\Omega</math>/300<math>\Omega</math>) .....(1) (For U.K. and Europe) (T90-0185-05)</p> 	<p>Remote control unit .....(1) (A70-0978-05)</p> 
<p>Loop antenna stand (J19-3645-05)</p> 	<p>AC plug adaptor .....(1) (Except for the U.S.A., Canada, Mexico, Europe, U.K. and Australia) (E03-0115-05)</p> 	<p>Batteries(R6/AA) .....(2)</p> 	<p>Battery cover : (A09-0170-08)</p> 

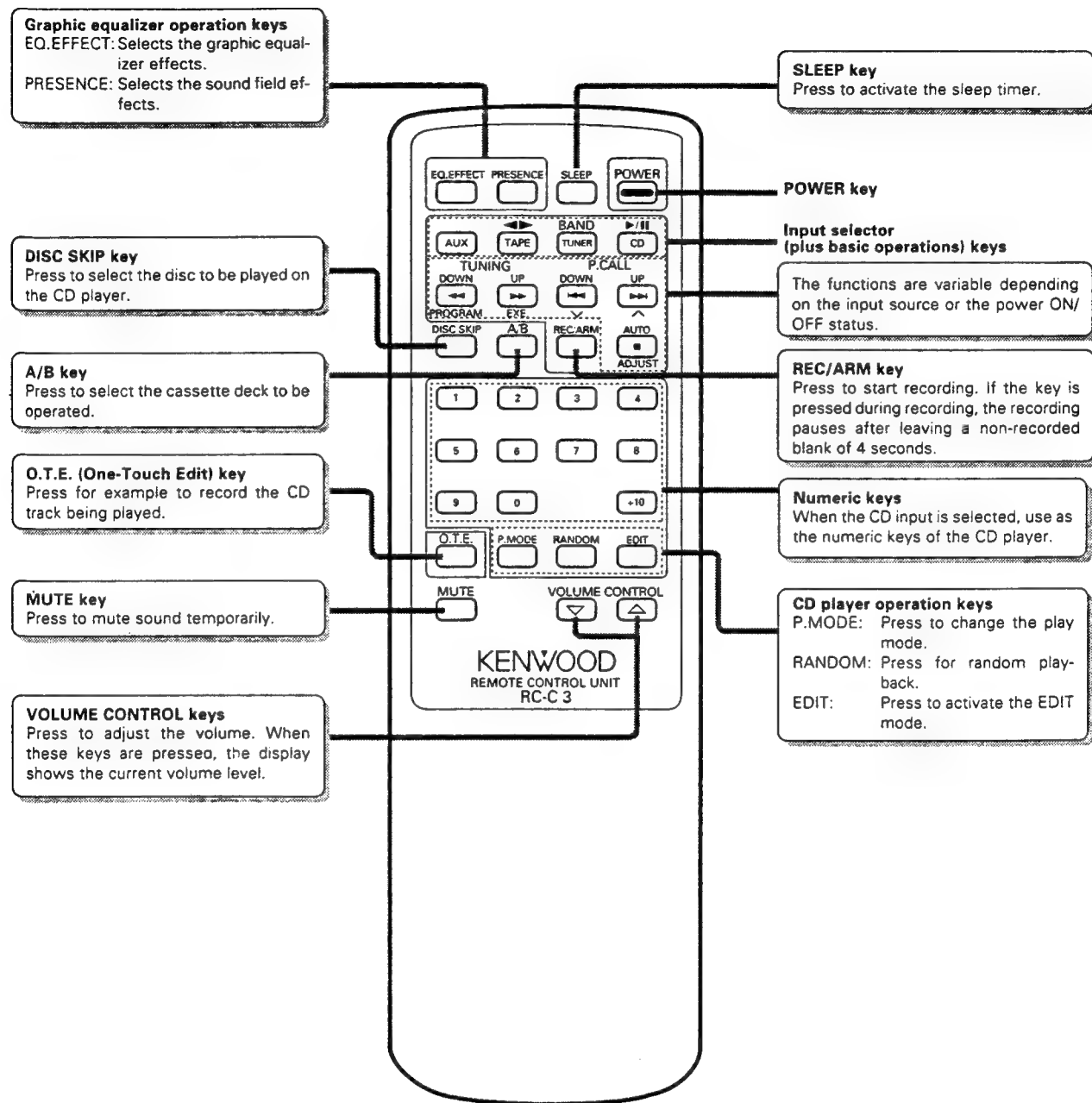
For the unit with a European AC plug in areas other than Europe.

# RXD-C3/C3L



\*Refer to parts list on page 67.

## REMOT CONTROL UNIT

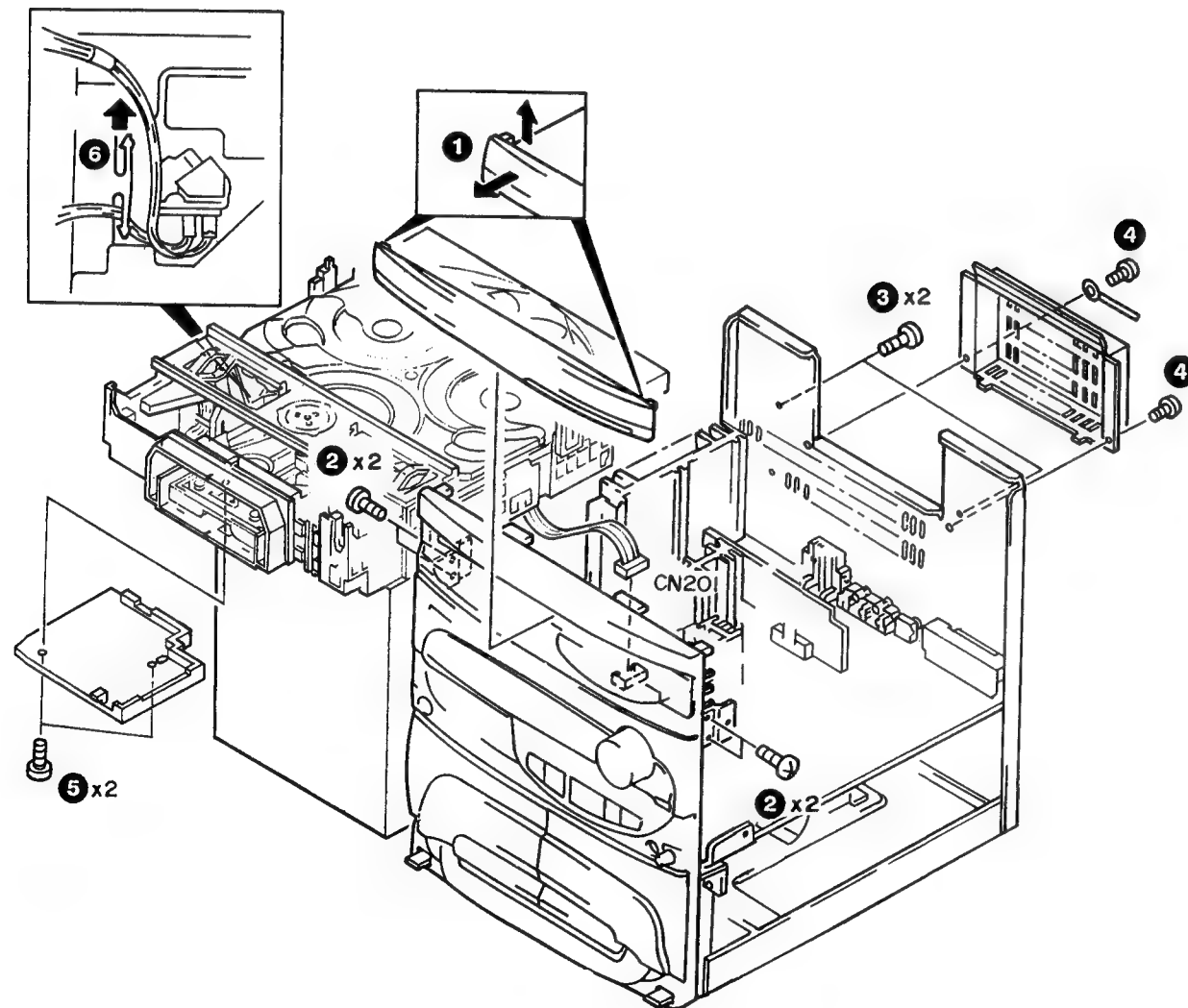


# RXD-C3/C3L

## DISASSEMBLY FOR REPAIR

### Removing the CD player

1. While pulling forward (toward you) on ( ❶ ) on the left and right sides of the CD player front cover, lift it upward and remove it. Remove the four CD mechanism attachment screws ( ❷ ) (front left and right) and the two rear panel screws ( ❸ ) .
2. Remove the 2 screws ( ❹ ) of CD rear panel cover and remove the cover.
3. Remove the CN201etc. main unit, remove the CD mechanism from the main unit and place it atop the table.
4. Remove the two cover screws ( ❺ ) in the bottom of the CD player, remove the cover, remove (pull out) the CN201 lead wires from tab ( ❻ ) . (Connect CN201etc. while doing repairs.)

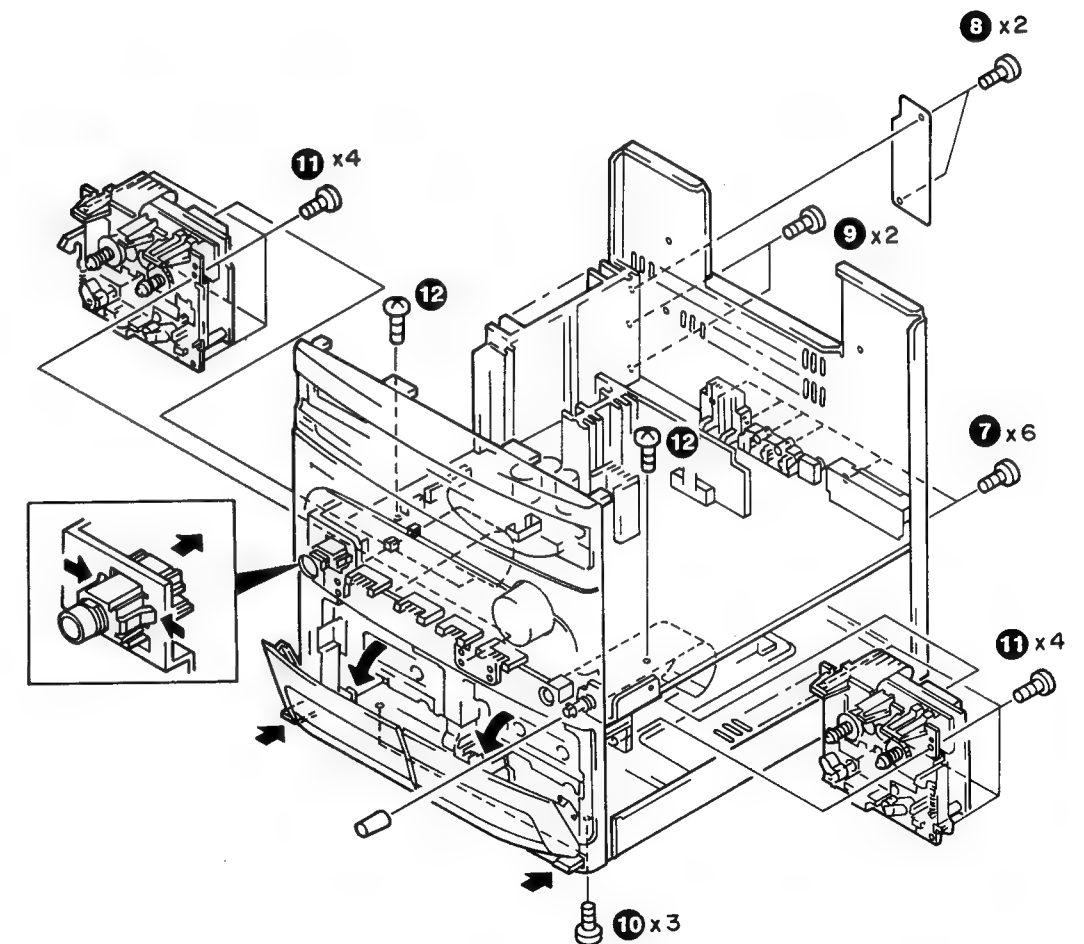


# RXD-C3/C3L

## DISASSEMBLY FOR REPAIR

### Removing the cassette mechanism and the PC board(X29-).

5. Remove the six rear panel screws ( ❷ ), the radiator's two cover screws ( ❸ ) and two attachment screws ( ❹ ) .
6. Remove the three bottom plate screws ( ❺ ) .
7. Remove the eight cassette mechanism A, B attachment screws ( ❻ ) .
8. Open the A, B cassette doors, remove the MIC MIXING knob and remove the two screws ( ❼ ) holding the PC board.
9. Depress both microphone jack tabs (pliers are convenient) and remove the PC board toward the rear panel direction while moving it back and forth (i.e., left and right).

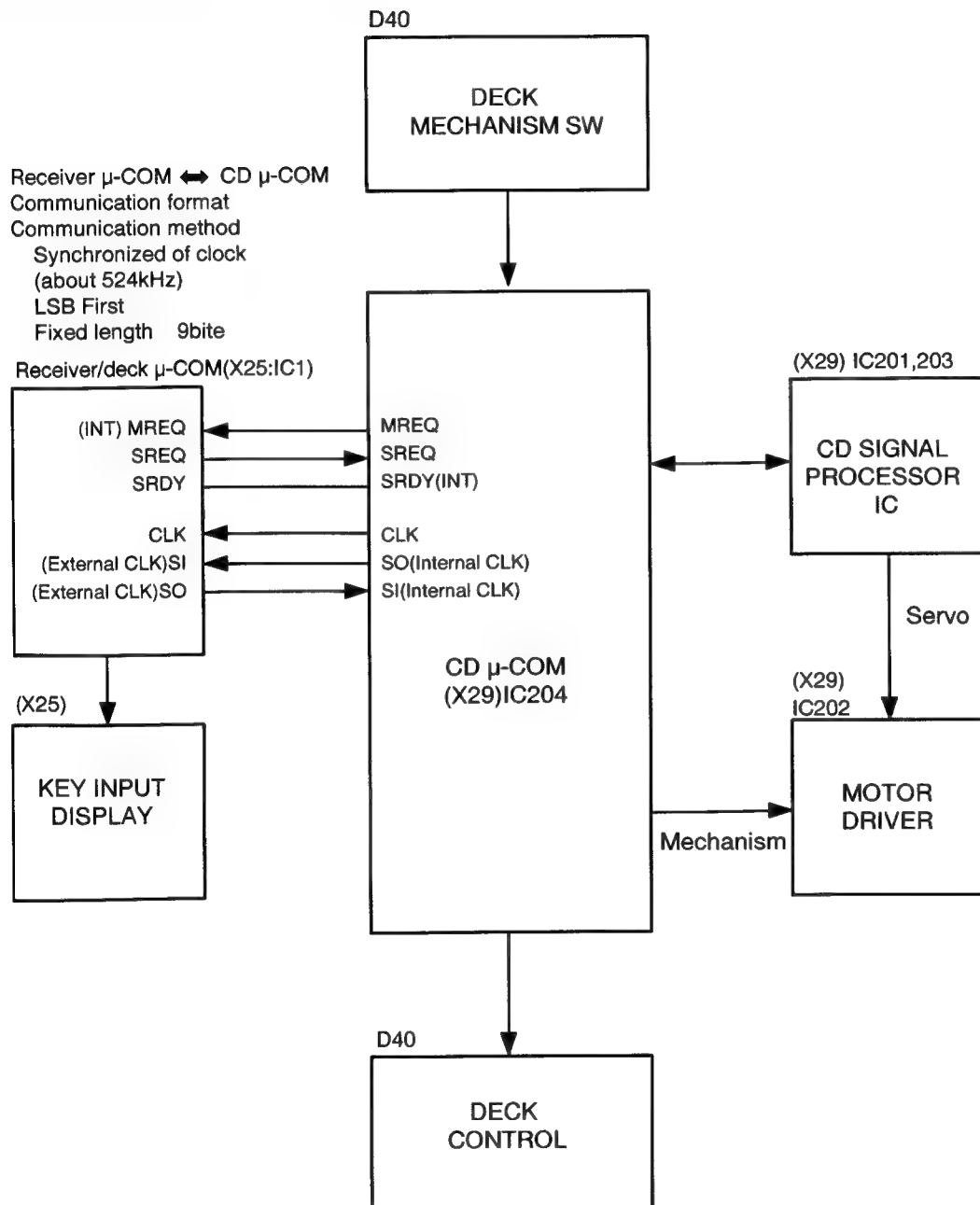


## BLOCK DIAGRAM



## CIRCUIT DESCRIPTION

Microprocessor periphery block diagram



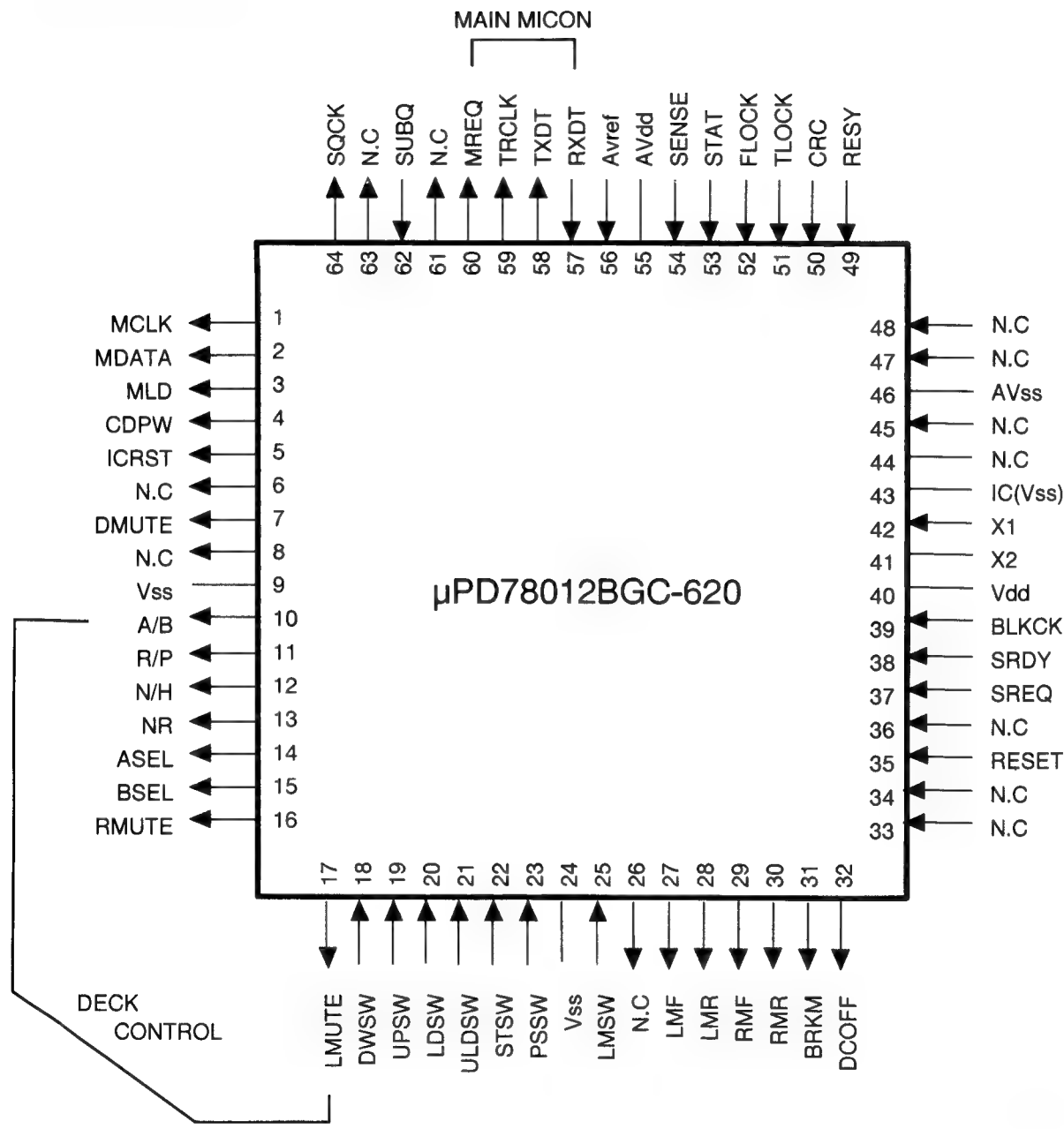


# RXD-C3/C3L

## CIRCUIT DESCRIPTION

CD microprocessor :  $\mu$ PD78012BGC-620(X29 : IC204)

Pin connection diagram



# CIRCUIT DESCRIPTION

## Pin description

Pin No.	Name	I/O	Description
1	MLCK	O	Signal processing IC clock
2	MDATA	O	Signal processing IC data
3	MLD	O	Signal processing IC latch
4	CDPW	O	Signal processing IC power regulation
5	ICRST	O	Signal processing IC reset
6	N.C	O	
7	DMUTE	O	Digital mute
8	N.C	O	
9	Vss		
10	A/B	O	Deck regulation A/B switch
11	R/P	O	Deck regulation RECORD/PLAY
12	N/H	O	Deck regulation NORMAL/HIGH
13	NR	O	Deck regulation NOISE REDUCTION
14	ASEL	O	Deck regulation A SELECT
15	BSEL	O	Deck regulation B SELECT
16	RMUTE	O	Deck regulation REC MUTE
17	LMUTE	O	Deck regulation LINE MUTE
18	DWSW	I	Mechanism down switch
19	UPSW	I	Mechanism up switch
20	LDSW	I	Mechanism load switch
21	ULDSW	I	Mechanism unload switch
22	STSW	I	Mechanism stop switch
23	PSSW	I	Mechanism position switch
24	Vss		GND
25	LMSW	I	Mechanism limit switch
26	N.C	O	
27	LMF	O	Load motor forward
28	LMR	O	Load motor rewind
29	RMF	O	Rotary motor forward
30	RMR	O	Rotary motor rewind
31	BRKM	O	Rotary motor deceleration control
32	DCOFF	O	DC servo ON/OFF control
33	N.C	O	
34	N.C	O	
35	RESET		Reset
36	N.C	I	
37	SREQ	I	Microprocessor communications SREQ
38	SRDY	I	Microprocessor communications SRDY
39	BLKCK	I	Q Data synchronization clock
40	Vdd		+5V

# RXD-C3/C3L

## CIRCUIT DESCRIPTION

Pin No.	Name	I/O	Description
41	X2	O	Clock(8.38MHz)
42	X1	I	Clock
43	IC		GND
44	N.C		
45	N.C	I	
46	AVss		A/D GND
47	N.C	O	
48	N.C	O	
49	RESY	I	Spindle servo lock signal
50	CRC	I	Q data CRC check signal
51	TLOCK	I	Tracking lock signal
52	FLOCK	I	Focus lock signal
53	STAT	I	Signal processing IC status signal
54	SENSE	I	Signal processing IC sensing signal
55	AVdd		A/D power supply
56	AVref		A/D reference
57	RXDT	I	Microprocessor communications reception data
58	TXDT	O	Microprocessor communications transmission data
59	TRCLK	O	Microprocessor communications clock
60	MREQ	O	Microprocessor communications MREQ
61	N.C	O	
62	SUBQ	I	Q data
63	N.C	O	
64	SQCK	O	Q data clock

### TEST MODE

#### 1. CD test mode input method

While depressing the CD key, plug the power cord into an AC power outlet.

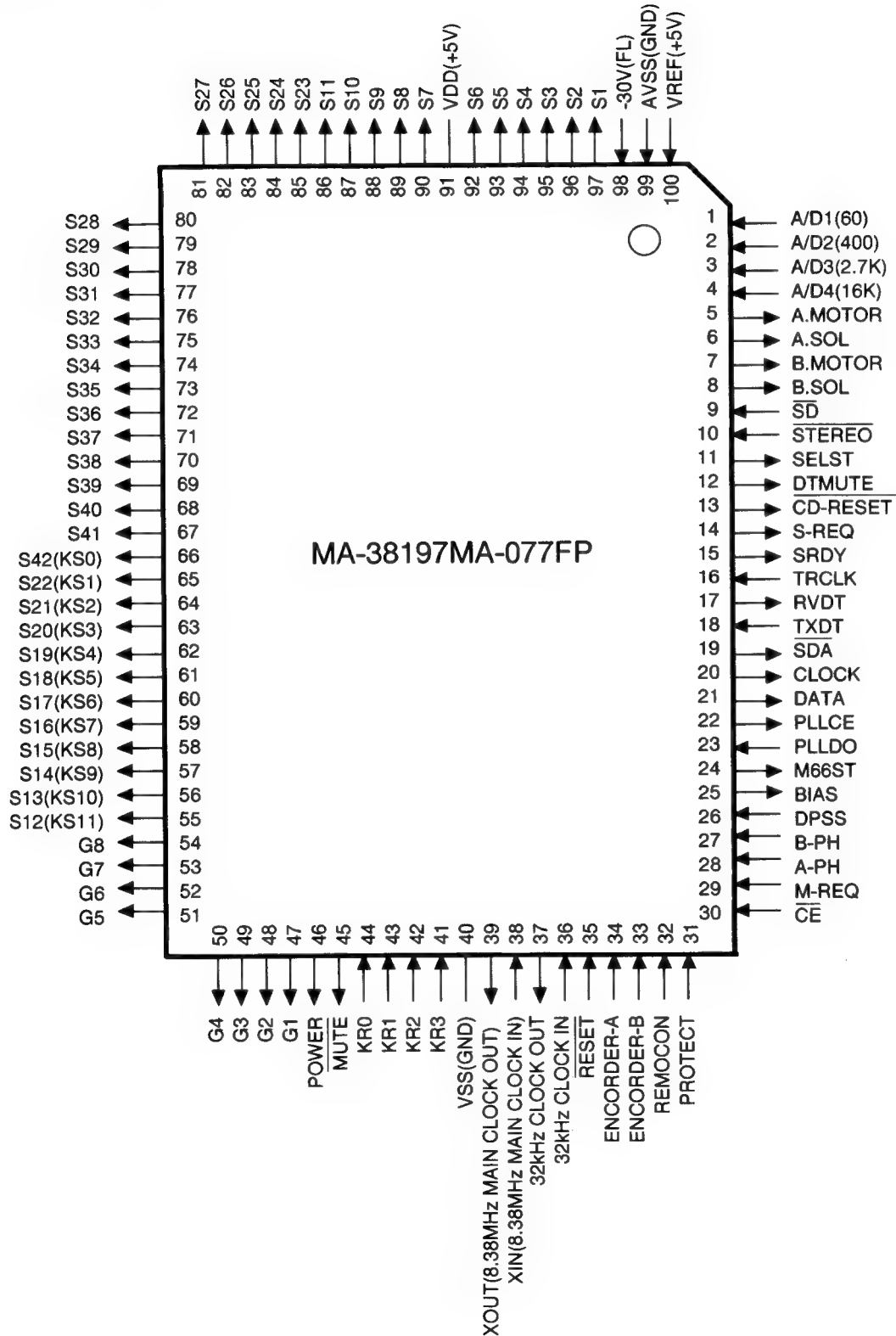
#### 2. Actuation after test mode entry

- 1-disc equivalent tray rotation
- Disc clamp
- TN01, 2, 32 play
- Stop

## CIRCUIT DESCRIPTION

Receiver/Deck Microprocessor : M38197MA-077FP(X25 : IC1)

### 1. Pin connection diagram



## CIRCUIT DESCRIPTION

### 2. Key Matrix

	KEY RETURN 0 (44)	KEY RETURN 1 (43)	KEY RETURN 2 (42)	KEY RETURN 3 (41)
KS0(66)	POWER ON/STANDBY	—	DEMO	—
KS1(65)		REC/ARM	HIGH	NORMAL
KS2(64)	A/B	DIRECTION	DOLBY NR	ONE TOUCH EDIT
KS3(63)	PACK(A)	CrO <sub>2</sub> (A)	PLAY(A)	F • REC • INH
KS4(62)	DSW 0	DSW 1	DSW 2	—
KS5(61)	DISC 1	DISC 2	DISC 3	CD • REPEAT
KS6(60)	DISC • SKIP	OPEN/CLOSE	LONG • PLAY	—
KS7(59)	PACK(B)	CrO <sub>2</sub> (B)	PLAY(B)	R • REC • INH
KS8(58)	PRESENCE	EQUALIZER	ENTER	ACTIVE N.B
KS9(57)		■	◀◀	▶▶
KS10(56)	AUX	TAPE	TUNER	CD
KS11(55)	TEST	—	—	—

( ) is Pin No.

### 3. Pin description

Pin No.	Name	I/O	Description
1	A/D1(60Hz)	I	Spectrum analyzer 60 Hz analog input
2	A/D2(400Hz)	I	Spectrum analyzer 400 Hz analog input
3	A/D(2.7kHz)	I	Spectrum analyzer 2.7 kHz analog input
4	A/D4(16kHz)	I	Spectrum analyzer 16kHz analog input
5	A.MOTOR	O	A deck captan motor regulation H: ON
6	A.SOL	O	A deck solenoid regulation H: ON
7	B.MOTOR	O	B deck captan motor regulation H: ON
8	B.SOL	O	B deck solenoid regulation H: ON
9	SD	I	Tuner SD input L: Tuned H: Not tuned
10	STEREO	I	Tuner stereo input L: Stereo H: Mono
11	SELST	O	Selector IC (TC9614N) strobe output
12	DTMUTE	O	Selector IC (TC9614N) data mute
13	CD-RESET	O	CD microprocessor reset signal output L: Reset
14	S-REQ	O	Slave transmission request signal output H: Request (For receiver ↔ microprocessor communications)
15	SRDY	O	Transmission signal possible signal output (For receiver ↔ microprocessor communications)
16	TRCLK	I	Communications clock input (For receiver ↔ microprocessor communications)
17	RVDT	O	Slave serial data output (For receiver ↔ microprocessor communications)
18	TXDT	I	Master serial data input (For receiver ↔ microprocessor communications)
19	SDA	O	Surround IC (μPC1853) DATA output
20	CLOCK	O	Surround IC (μPC1853), Expansion IC (M66310FP), PLL IC (LC7218), Selector IC (TC9164N) Clock output (common-use)

## CIRCUIT DESCRIPTION

Pin No.	Name	I/O	Description
21	DATA	O	Expansion IC (M66310FP), PLL IC (LC7218), Selector IC (TC9164N) DATA output (common-use)
22	PLLGE	O	PLL IC (LC7218) GE output H: Enable L: Disable
23	PLLDO	I	PLL IC (LC7218) IF COUNT input
24	M66ST	O	Expansion IC (M66310FP)strobe output
25	BIAS	O	Bias oscillation regulation H: Oscillation
26	DPSS	I	DPSS (search) sensitivity input L: Detect between tracks H: Detect presence of tracks
27	B-PH	I	B deck photo sensor input
28	A-PH	I	A deck photo sensor input
29	M-RREQ	I	Master transmission request signal output H: Request (For receiver ↔ microprocessor communications)
30	$\overline{\text{CE}}$	O	Backup detection L: Backup H: Normal
31	PROTECT	I	Protection detection H: Protect ON L: Normal
32	REMOCON	I	Remote controller input
33	ENCORDER B	I	Rotary encoder input B
34	ENCORDER A	I	Rotary encoder input A
35	$\overline{\text{RESET}}$	I	Reset signal input L: Reset
36	X <sub>CIN</sub>	I	Clock-use clock signal input 32kHz quartz crystal connected
37	X <sub>COUT</sub>	O	Clock-use clock signal output 32kHz quartz crystal connected
38	X <sub>IN</sub>	I	Main clock input 8.38 MHz ceramic oscillator connected
39	X <sub>OUT</sub>	O	Main clock output 8.38 MHz ceramic oscillator connected
40	V <sub>SS</sub>		GND connector Connect to GND
41	KR3	I	Key return signal input 3
42	KR2	I	Key return signal input 2
43	KR1	I	Key return signal input 1
44	KR0	I	Key return signal input 0
45	$\overline{\text{MUTE}}$	O	Mute regulation L: Mute ON H: Mute OFF
46	POWER	O	Power regulation H: Power ON L: Power OFF
47	G1	O	FL G1 grid drive connector
48	G2	O	FL G2 grid drive connector
49	G3	O	FL G3 grid drive connector
50	G4	O	FL G4 grid drive connector
51	G5	O	FL G5 grid drive connector
52	G6	O	FL G6 grid drive connector
53	G7	O	FL G7 grid drive connector
54	G8	O	FL G8 grid drive connector
55	S12	O	FL S12 segment drive connector and key scan signal output 11
56	S13	O	FL S13 segment drive connector and key scan signal output 10
57	S14	O	FL S14 segment drive connector and key scan signal output 9
58	S15	O	FL S15 segment drive connector and key scan signal output 8
59	S16	O	FL S16 segment drive connector and key scan signal output 7 (B deck common)
60	S17	O	FL S17 segment drive connector and key scan signal output 6
61	S18	O	FL S18 segment drive connector and key scan signal output 5
62	S19	O	FL S19 segment drive connector and key scan signal output 4 (Tuner dispatch)
63	S20	O	FL S20 segment drive connector and key scan signal output 3 (A deck common)



# RXD-C3/C3L

## CIRCUIT DESCRIPTION

Pin No.	Name	I/O	Description
64	S21	O	FL S21 segment drive connector and key scan signal output 2
65	S22	O	FL S22 segment drive connector and key scan signal output 1
66	S42	O	FL S42 segment drive connector and key scan signal output 0
67	S41	O	FL S41 segment drive connector
68	S40	O	FL S40 segment drive connector
69	S39	O	FL S39 segment drive connector
70	S38	O	FL S38 segment drive connector
71	S37	O	FL S37 segment drive connector
72	S36	O	FL S36 segment drive connector
73	S35	O	FL S35 segment drive connector
74	S34	O	FL S34 segment drive connector
75	S33	O	FL S33 segment drive connector
76	S32	O	FL S32 segment drive connector
77	S31	O	FL S31 segment drive connector
78	S30	O	FL S30 segment drive connector
79	S29	O	FL S29 segment drive connector
80	S28	O	FL S28 segment drive connector
81	S27	O	FL S27 segment drive connector
82	S26	O	FL S26 segment drive connector
83	S25	O	FL S25 segment drive connector
84	S24	O	FL S24 segment drive connector
85	S23	O	FL S23 segment drive connector
86	S11	O	FL S11 segment drive connector
87	S10	O	FL S10 segment drive connector
88	S9	O	FL S9 segment drive connector
89	S8	O	FL S8 segment drive connector
90	S7	O	FL S7 segment drive connector
91	VDD		Power supply input (+5V)
92	S6	O	FL S6 segment drive connector
93	S5	O	FL S5 segment drive connector
94	S4	O	FL S4 segment drive connector
95	S3	O	FL S3 segment drive connector
96	S2	O	FL S2 segment drive connector
97	S1	O	FL S1 segment drive connector
98	VEE	I	Pull-down power supply input (for FL) Connected to -30V
99	AVSS	I	Analog power supply input Connected to GND
100	VREF	I	A/D converter reference voltage input Connected to +5V

## CIRCUIT DESCRIPTION

### 4. Conditions by Description

Desti- nation Type	Diode switches(DSW)			Band	Receiving frequency range	Interchannel space	Intermediate frequency	PLL reference frequency	PLL(X29 : IC2 LA7218) output port						
	DSW2 D43	DSW1 D40	DSW0 D39						⑨	⑩	⑪	⑫	⑬	⑭	⑮
K1(1700)	0	0	0	FM	87.5~108.0MHz	100kHz	+10.7MHz	25kHz	m	i	H	L	H	H	H
				AM	530~1700kHz	10kHz	+450kHz	10kHz	m	i	H	H	L	H	H
K2(1610)	0	0	1	FM	87.5~108.0MHz	100kHz	+10.7kHz	25kHz	m	i	H	L	H	H	H
				AM	530~1610kHz	10kHz	+450kHz	10kHz	m	i	H	H	L	H	H
E1	0	1	1	FM	87.5~108.0kHz	50kHz	+10.7kHz	25kHz	m	i	H	L	H	H	H
				AM	531~1602kHz	9kHz	+450kHz	9kHz	m	i	H	H	L	H	H
E2(LW)	1	0	0	FM	87.5~108.0MHz	50kHz	+10.7MHz	25kHz	m	i	H	L	H	H	H
				MW	531~1602kHz	9kHz	+450kHz	9kHz	m	i	H	H	L	H	H
				LW	153~279kHz	9kHz	+450kHz	9kHz	m	i	H	H	L	H	H
M	0	X	1	Change K2/E1 by setting "DSW1" only. (DSW1= 0:K2 Type ; 1:E1 Type)											

\* Diode switch(DSWx) : 0=Without diode(in the case of static, LOW input)  
1=With diode(in the case of static, HIGH input)  
X=Transistor switch(0=OFF/ 1=ON)

\* Here the PLL reference frequency is the value set in PLL, the AM division ratio becomes the same as the PLL reference frequency, but the FM division ratio is twice the PLL frequency.

\* When the diode switch destination is different from this chart, it becomes the K1 destination.

#### PLL port

m= H: AUTO STEREO  
L: MONO

i= H: IF SIGNAL ON  
L: IF SIGNAL OFF

### 5. Initialization(Reset)

Insert the AC plug into the outlet while holding down the ENTER key of main unit.

#### Initial stage

	State	
SYSTEM	POWER	OFF
CLOCK PROG.	CLOCK	STOP(AM0:00)
	PROG. Operation MODE	OFF
	PROG.1 : ON=AM0:00	OFF=AM0:00
	MOD=PLAY	SOC=TUNER(1ch)
AMP	PROG.2 : ON=AM0:00	OFF=AM0:00
	MOD=PLAY	SOC=TUNER(1ch)
	VOLUME	7SEG=7(μPC1853 VOLdata=10)
	SELECTOR	TUNER
	EQ.	OFF
	PRESENCE	OFF
	LONG PLAY	OFF
TUNER	ACTIVE N.B.	OFF
	MUTING	OFF
	BAND	FM
	Each last BAND	
	FM : P.ch= -- ch FREQ=min(76.0 or 87.5MHz)	
TAPE	AM(MW) : P.ch= -- ch FREQ=min(530 or 531kHz)	
	LW : P.ch= -- ch FREQ=min(153kHz)	
	P.CH Memory 1ch~20ch : Test frequency	(Refer to Test Frequency)
	Tuning MODE	AUTO (AUTO STEREO)
CD	A/B Selector	B
	A Deck Head position	For FWD
	B Deck Head position	For FWD
	DOLBY NR	OFF
	DIRECTION	ENDLESS
CD	DISC Selector	DISC 1
	REPEAT	OFF

### 6. Test Frequency(Maker's Memory Frequency)

Destination PRESET	K		E	
	WIDE BAND	NARROW BAND	With LW	Without LW
1	FM 98.0MHz	FM 98.0MHz	FM 98.0MHz	FM 98.0MHz
2	FM108.0MHz	FM108.0MHz	FM108.0MHz	FM108.0MHz
3	AM 630kHz	AM 630kHz	AM 630kHz	AM 630kHz
4	AM 990kHz	AM 990kHz	AM 990kHz	AM 990kHz
5	AM 1440kHz	AM 1440kHz	AM 1440kHz	AM 1440kHz
6	AM 1610kHz	AM 1610kHz	AM 1602kHz	AM 1602kHz
7	AM 1700kHz	FM 87.5MHz	LW 162kHz	FM 87.5MHz
8	FM 87.5MHz	FM 87.5MHz	LW 216kHz	FM 87.5MHz
9	FM 87.5MHz	FM 87.5MHz	LW 270kHz	FM 87.5MHz
10	FM 89.1MHz	FM 89.1MHz	FM 89.1MHz	FM 89.1MHz
11	FM 87.5MHz	FM 87.5MHz	LW 279kHz	FM 87.5MHz
12	FM 90.0MHz	FM 90.0MHz	FM 90.0MHz	FM 90.0MHz
13	FM106.0MHz	FM106.0MHz	FM106.0MHz	FM106.0MHz
14	AM 530kHz	AM 530kHz	MW 531kHz	AM 531kHz
15	FM 87.5MHz	FM 87.5MHz	LW 153kHz	FM 87.5MHz
16	FM 97.5MHz	FM 97.5MHz	FM 97.5MHz	FM 97.5MHz
17	FM 98.5MHz	FM 98.5MHz	FM 98.5MHz	FM 98.5MHz
18	FM 87.5MHz	FM 87.5MHz	FM 87.5MHz	FM 87.5MHz
19	FM 87.5MHz	FM 87.5MHz	FM 87.5MHz	FM 87.5MHz
20	FM 87.5MHz	FM 87.5MHz	FM 87.5MHz	FM 87.5MHz

# RXD-C3/C3L

## CD MECHANISM DESCRIPTION

### CD mechanism operation description

#### 1) How to detach the tray

1. From the rear side of the CD mechanism, use a screw driver or the like to turn the friction arm ( ❶ ) fully counterclockwise.
2. Remove the two bracket attachment screws ( ❷ ).
3. Remove the tray in the arrow direction ( ❸ ).

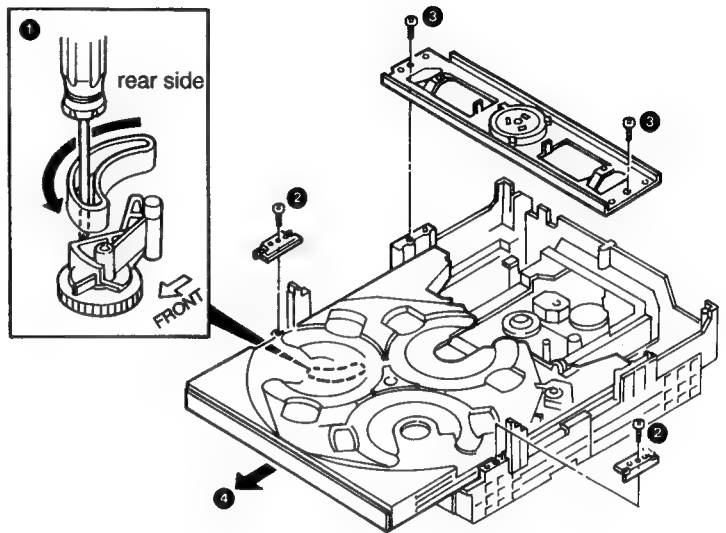


FIG. 1

#### 2) How to attach the tray

1. Check to make sure the rollers on each side (two rollers) have not come off. Move the friction gear by hand in the direction of arrow ( ❶ ), align the groove on the rear side of the slide tray with the friction gear shaft and insert the slide tray.
2. Align the grooves on both sides of the slide tray with the main chassis' guides ( ❷ ) and insert the slide tray as far back as it will go.
3. Attach the brackets on both sides (two brackets).

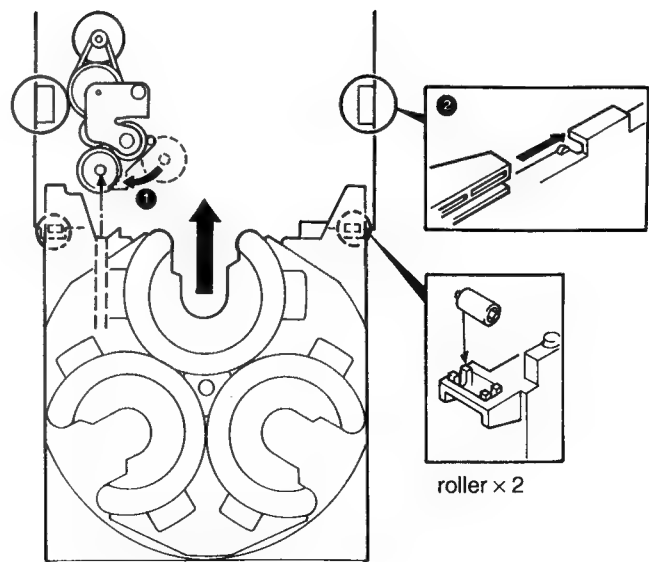


FIG. 2

## CD MECHANISM DESCRIPTION

### 3) Opening the tray during playback

If press the OPEN/CLOSE key during playback, traverse keeping up condition, the loading motor rotates in the direction of the arrow (Fig. 4 ❶).

While rotating counterclockwise, the friction gear moves in the direction of the arrow (Fig.3 ❶), and the slide tray begins to move in the arrow direction.

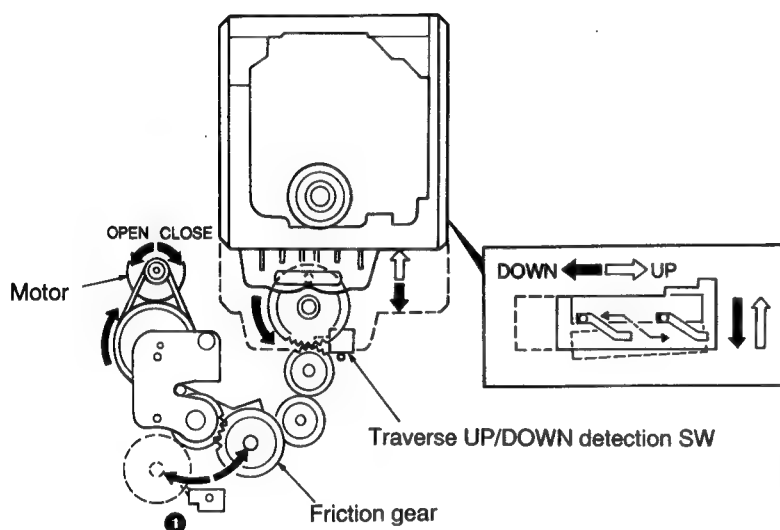


FIG. 3

When the tray is almost finished opening, the lever switch (Fig. 4 ❷) is pressed by the projection on the rear side of the slide tray and opening comes to a stop.

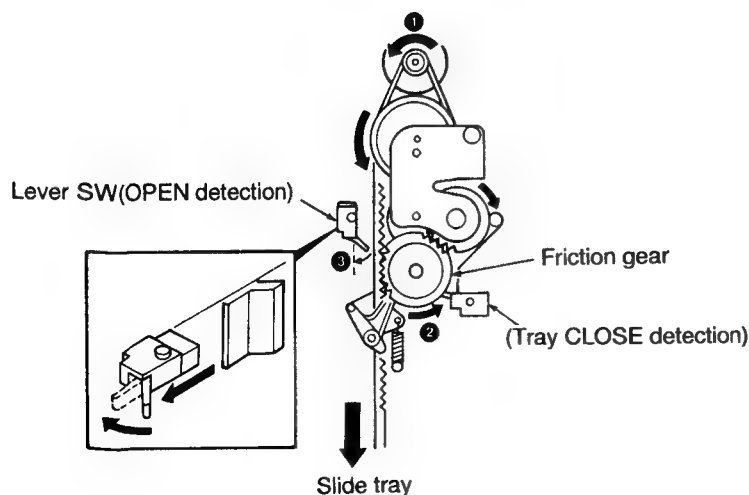


FIG. 4

### 4) Tray closing

When press the OPEN/CLOSE key, the loading motor rotates in the arrow direction (❶).

The friction gear rotates in the direction of arrow (❷), (❸) the friction gear moves along the groove on the rear side of the tray in the direction of arrow (❹). When the tray is almost finished closing, the CLOSE detect switch comes off and closing to a stop.

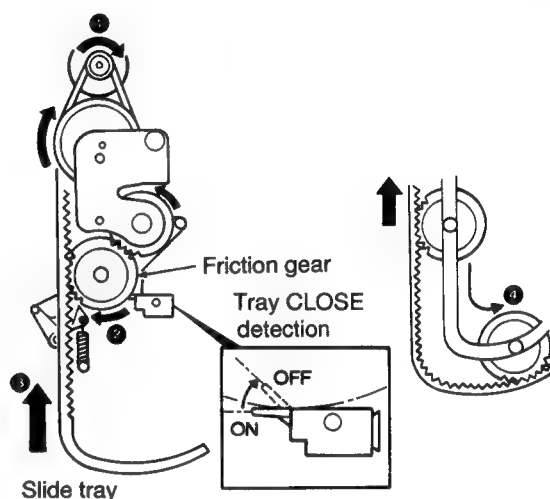


FIG. 5

# RXD-C3/C3L

## CD MECHANISM DESCRIPTION

### 5) Replacing the pickup

1. Remove the two clamp bracket attachment screws. (Fig. 1 ③ ).
2. Remove the four screws affixing the lift slider and lift out the lift slider and traverse unit.

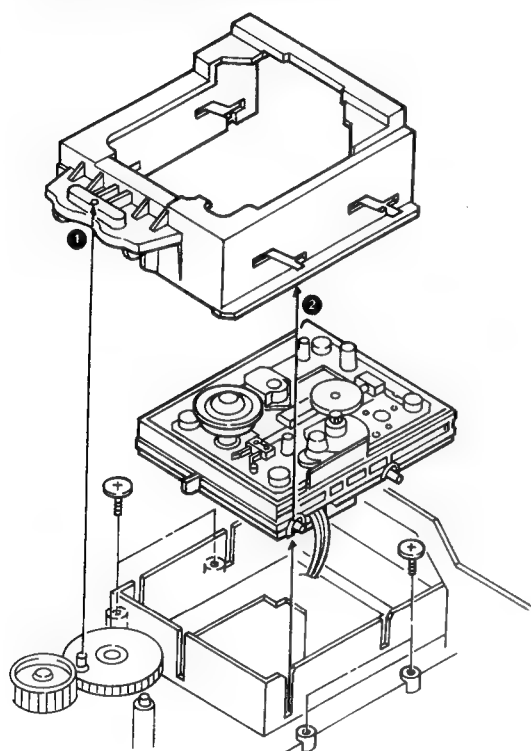


FIG. 6

### 6) Disc detect

When the rotary tray monitor rotates, the rotary tray begins to rotate clockwise. The disc number detect switch on the rear side of the rotary tray detects the disc number.

The stop position is detected by the stop position detection switch.

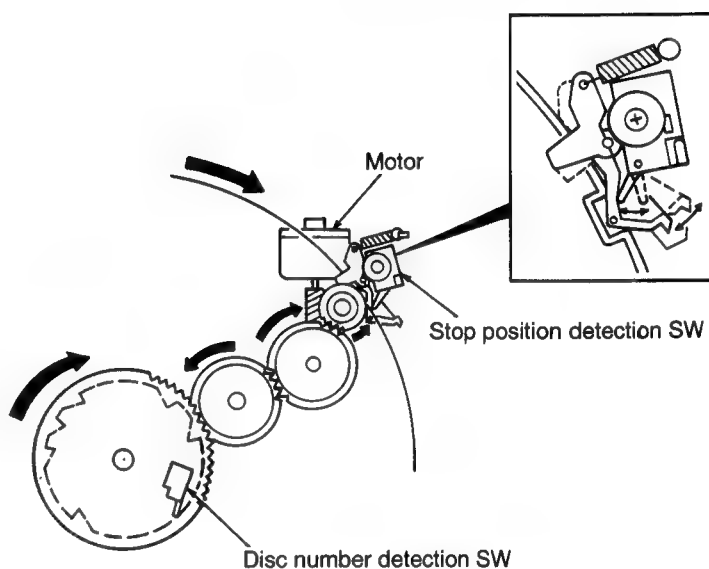


FIG. 8

3. Remove the two 8P connectors.
  4. Remove the gear.
  5. Remove the shaft.
- ※ When reassembling, always be sure to align the cam gear and traverse shaft as shown in ① and ② of Fig. 6.

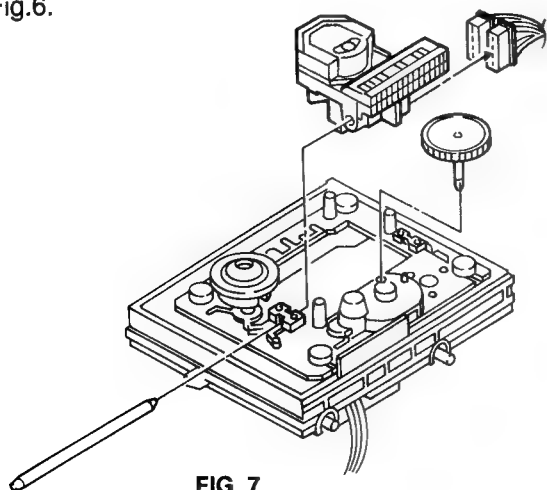


FIG. 7

# RXD-C3/C3L

## CASSETTE MECHANISM DESCRIPTION

### Cassette deck mechanism description

#### 1) STOP → FWD PLAY/REC

(head faces FWD while stopped)

1. At key on the main monitor (MM) rotates.
2. After 300 ms, when SOL is pulled for 40 ms, boss A of the tip of the trigger arm comes apart from the cam gear's stopper A. [Fig. 1, 2]

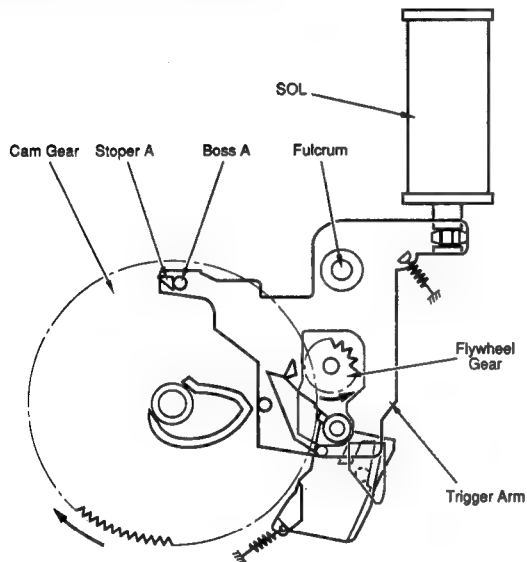


FIG. 1

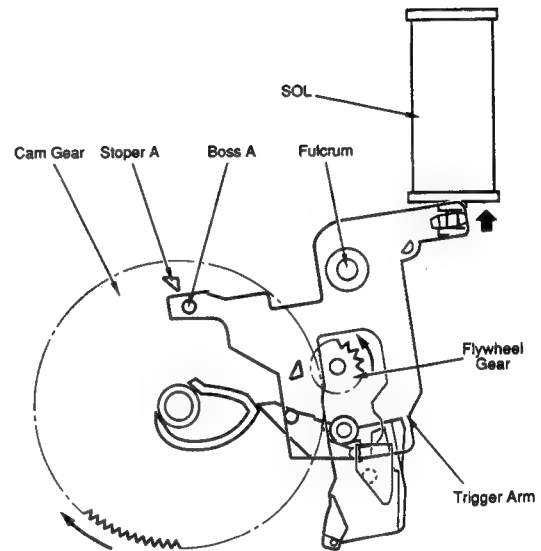


FIG. 2

3. The shift lever is pushed down by spring 1 and the head chassis is pressured by the shift lever and spring 2. Because the shift lever pushes cam B of the cam gear, the actuation of 2. makes the cam gear rotate. [Fig. 3]

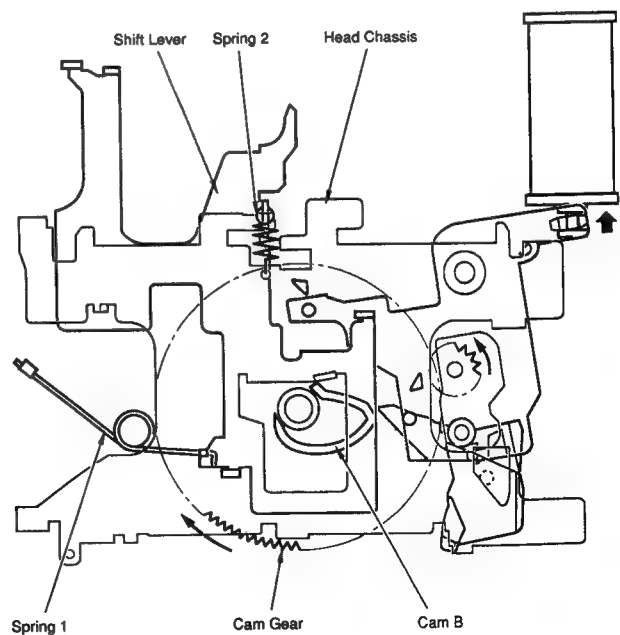


FIG. 3



# RXD-C3/C3L

## CASSETTE MECHANISM DESCRIPTION

4. The flywheel gear rotated by the main monitor begins to engage the cam gear, and the cam gear further rotates, raising the shift lever and the head chassis. [Fig. 4, 5]

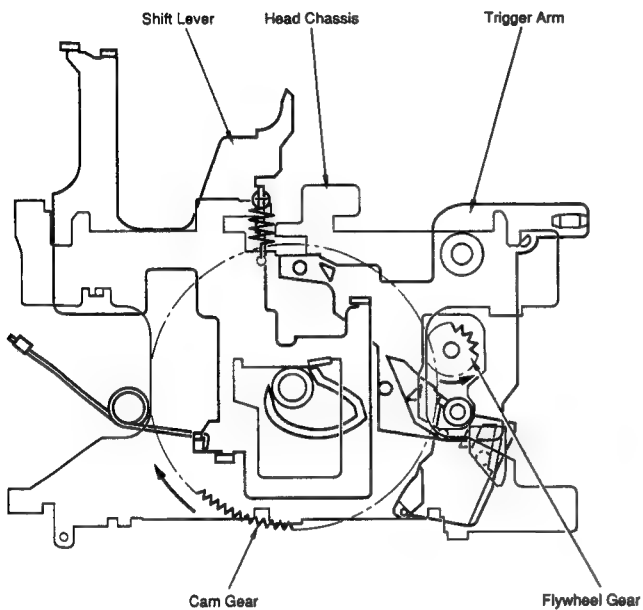


FIG. 4

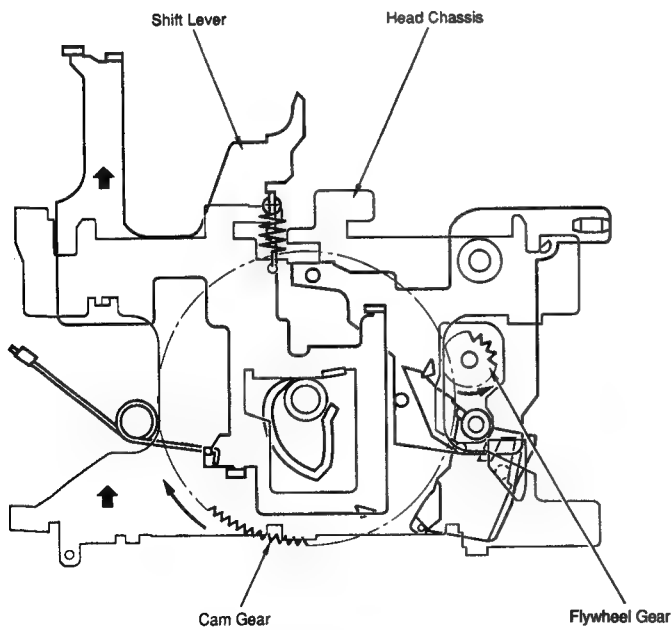


FIG. 5

5. 345 ms after completing the pulling of SOL in 2., the SOL is ON for 150 ms, the trigger arm pushes the select lever right by means of boss B. This splits the select lever toward the right side of boss C above the main chassis and it rises along with the head chassis. [Fig. 6, 7, 8]

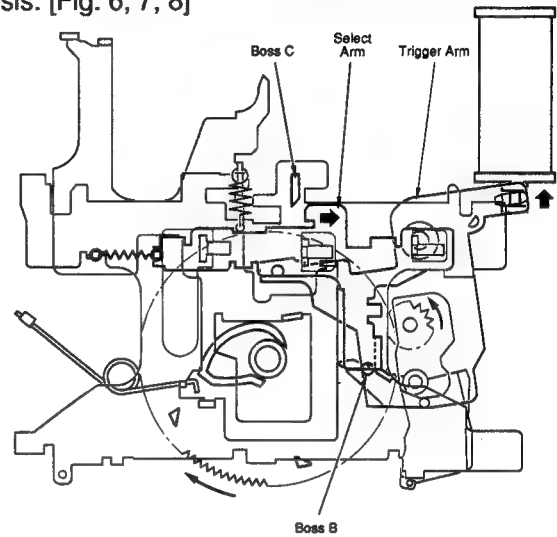


FIG. 6

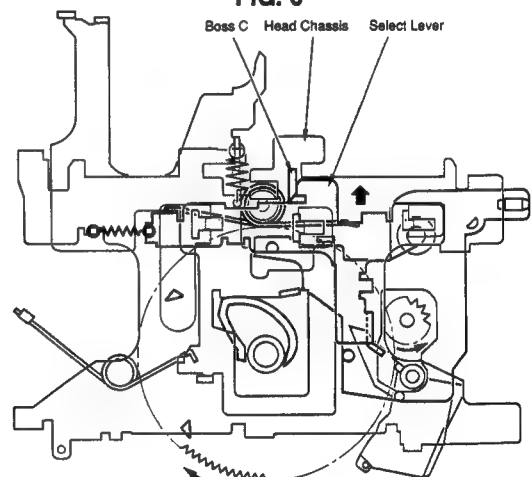


FIG. 7

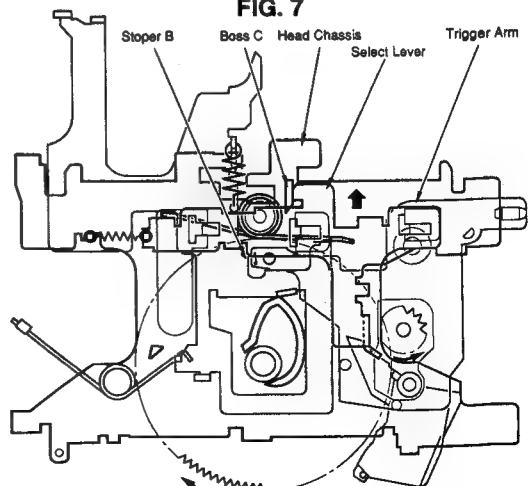


FIG. 8

## CASSETTE MECHANISM DESCRIPTION

6. While stopped the clutch arm is centered by its boss C in shift lever groove A, but this begins to be canceled by the shift lever rising action of 4. At the same time, spring 3, which was applied to the clutch arm by the select lever in 5., is pushed up, the clutch arm swings its head to the right and gear A on the clutch arm engages the right reel gear.
7. With the actuation of 6., the cam gear's cam C is pressed by the lower end of the clutch arm, and the two-level idler gear driven by the motor engages the play gear attached to the clutch arm, introducing the clutch from the play gear and driving gear A.
8. The cam gear turns farther and the clutch arm separates from cam C, but the clutch arm's pin A contacts the head chassis, which has become upraised, and the clutch arm remains in the rear. The idler gear and the play gear continue to engage.
9. The upper end of the shift lever, which has become upraised, locks the clutch arm toward the right side. The rising of the head chassis, which was suspended by spring 2 at the shift lever, stops upon touching the RF pin, and the head return plate attached to the head chassis causes the FWD pinch roller to be pressed against the capstan.
10. After the shift lever passes over the cam gear's top-most vertice, the flywheel gear and the cam gear become disengaged. Pressed by the shift lever, the cam gear, which had been following against spring 1 and 2, rotates until the cam gear's stopper B touches the boss on the tip of the trigger arm. ⇒ FWD PLAY mode

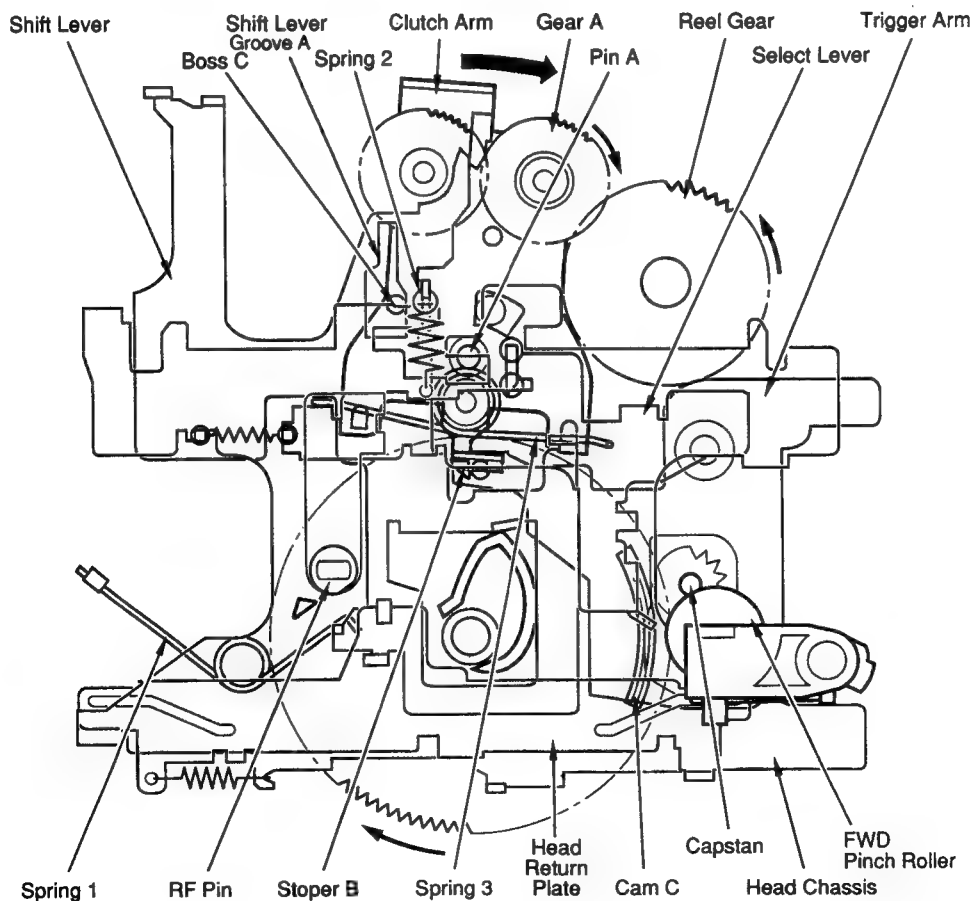


FIG. 9

# RXD-C3/C3L

## CASSETTE MECHANISM DESCRIPTION

### 2) STOP → RVS PLAY/REC

1. At key on the main monitor rotates.
2. After 300 ms, SOL is turned ON for 205 ms. Boss A of the tip of the trigger arm comes apart from the cam gear's stopper A. [Fig. 10]

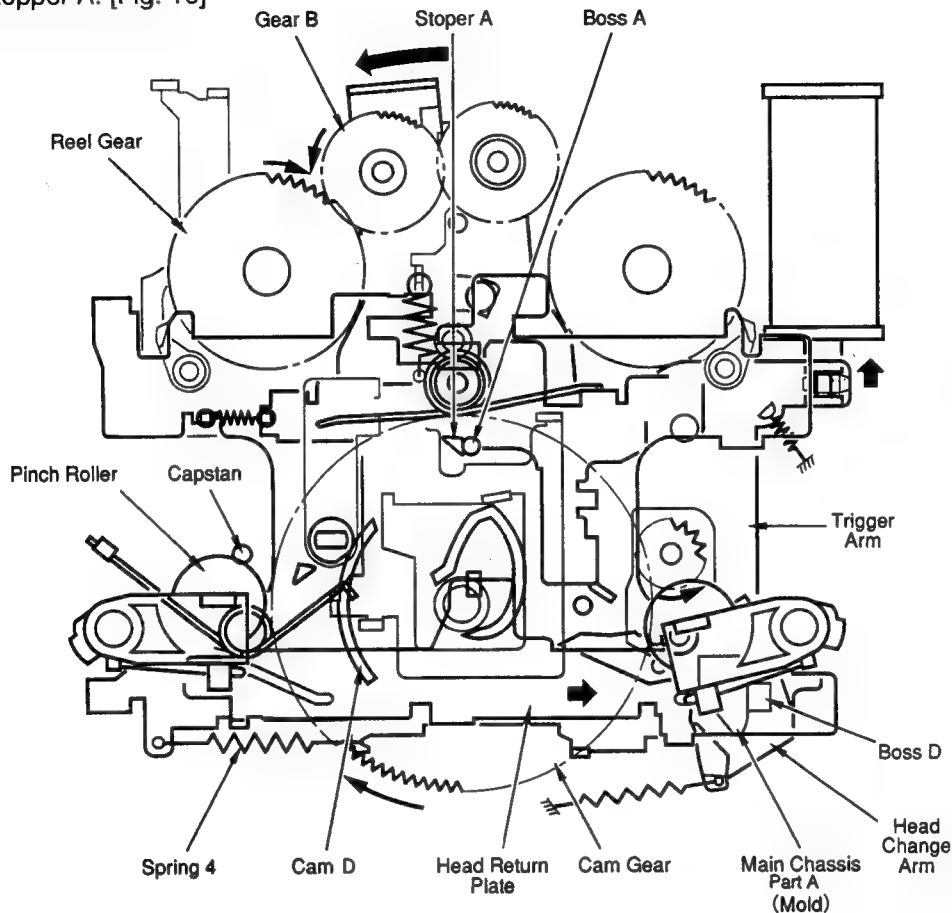


FIG. 10

3. The shift lever is pushed down by spring 1 and the head chassis is pressured by the shift lever and spring 2. Because the shift lever pushes cam B of the cam gear, the actuation of 2. makes the cam gear rotate. [Fig. 3]
4. The flywheel gear rotated by the main monitor begins to engage the cam gear, and the cam gear further rotates, raising the shift lever and the head chassis. [Fig. 4, 5]
5. The head change arm is pulled by the trigger arm, catching on the cam gear's cam D. The cam gear's rotation causes the head chassis arm to rotate, the bottom part of which slides the head return plate toward the right. In order to pressure the RVS pinch roller.
6. The cam gear rotates and the head chassis arm comes apart from cam D and returns. However, because the head chassis is already upraised, boss D of the head return plate is held toward the right side by part A of the main chassis.
7. The SOL is already OFF and the select lever is on the left side. By the same actuation as in 6. of 1). above, the clutch arm head swings to the left and gear (B) atop the clutch arm engages the left reel gear.
8. With the actuation of 6. of 1), the cam gear's cam C is pressed by the lower end of the clutch arm, and the two-level idler gear driven by the motor engages the play gear attached to the clutch arm, introducing the clutch from the play gear and driving gear A.

## CASSETTE MECHANISM DESCRIPTION

The cam gear turns farther and the clutch arm separates from cam C, but the clutch arm's pin A contacts the head chassis, which has become upraised, and the clutch arm remains in the rear. The idler gear and the play gear continue to engage.

9. The HD chassis stops by the RF pin. The RVS pinch roller is pressed against the capstan by the head re-turn plate, which is slid to the right.

10. After the shift lever passes over the cam gear's topmost vertice, the flywheel gear and the cam gear become disengaged. Pressed by the shift lever, the cam gear, which had been following against spring 1 and 2, rotates until the cam gear's stopper B touches the boss on the tip of the trigger arm. ⇒ RVS PLAY mode

### 3) STOP → FF/CUE[Fig.11]

1. At key on the main monitor rotates.
2. After 300 ms, when SOL is pulled for 40 ms, boss A of the tip of the trigger arm comes apart from the cam gear's stopper A. [Fig. 1, 2]

The shift lever is pushed down by spring 1 and the head chassis is pressured by the shift lever and spring 2. Because the shift lever pushes cam B of the cam gear, the actuation of 2. makes the cam gear rotate. [Fig. 3]

The flywheel gear rotated by the main monitor begins to engage the cam gear, and the cam gear further rotates, raising the shift lever and the head chassis. [Fig. 4, 5]

3. After the SOL turns OFF, 205 ms later the SOL is turned ON again for 310 ms. The trigger arm slides the select arm to the right. Accordingly, the select lever is split toward the right side of main chassis boss C and rises along with the head chassis.

4. The CR lever attached to the main chassis by the select lever in 3. slides to the right. The head chassis' section B, which has risen there, shifts the CR lever to the right. The rising of the head chassis contacts the CR lever and stops. → FF/CUE head height

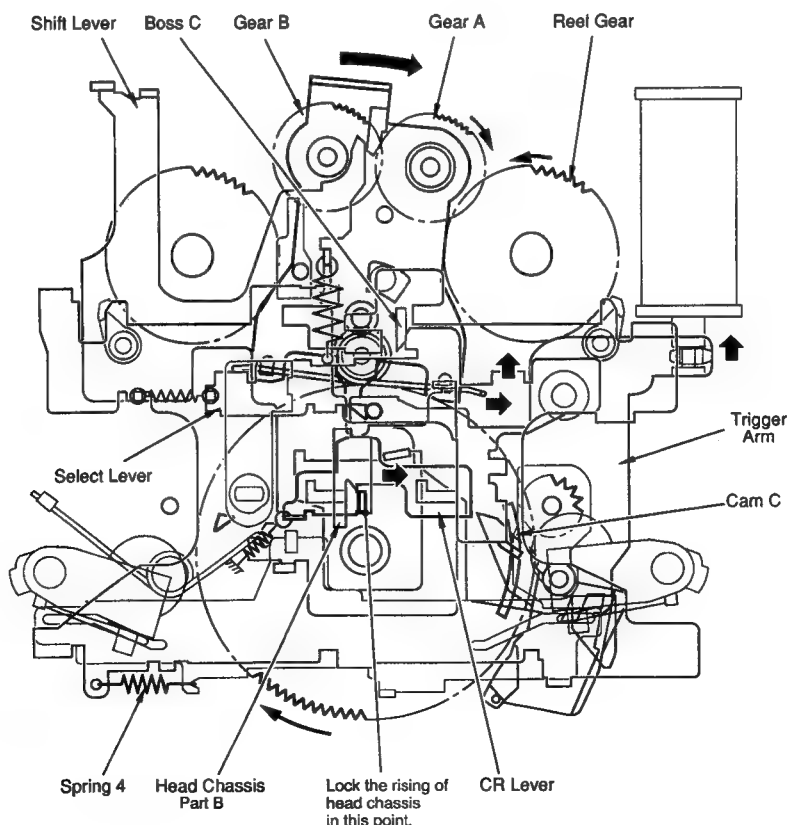


FIG. 11

## CASSETTE MECHANISM DESCRIPTION

5. While stopped the clutch arm is centered by its boss C in shift lever groove A, but this begins to be canceled by the shift lever rising action of 4. of 1). At the same time, spring 3, which was applied to the clutch arm by the select lever in 5. of 1), is pushed up, the clutch arm swings its head to the right and gear A on the clutch arm engages the right reel gear. With the actuation of above, the cam gear's cam C is pressed by the lower end of the clutch arm, and the two-level idler gear driven by the motor engages the play gear attached to the clutch arm, introducing the clutch from the play gear and driving gear A.
6. The cam gear turns even further and the clutch arm separates from cam C. The head chassis is stopped at position 4. so the clutch arm comes forward again.

### 4) STOP → REW/REV [Fig. 12]

1. At key on CPM rotates.
2. After 300 ms, when SOL is pulled for 40 ms, boss A of the the tip of the trigger arm comes apart from the cam gear's stopper A. [Fig. 1, 2]  
The shift lever is pushed down by spring 1 and the head chassis is pressured by the shift lever and spring 2. Because the shift lever pushes cam B of the cam gear, the actuation of above. makes the cam gear rotate. [Fig. 3]  
The flywheel gear rotated by the main monitor begins to engage the cam gear, and the cam gear further rotates, raising the shift lever and the head chassis. [Fig. 4, 5]

The idler gear and play gear are disengaged, and the FF/REW gear and idler gear engage. The clutch is introduced from the FF/REW gear and gears A and B and the reel gear are driven.

7. The clutch arm is locked to the right by the upper end of the risen shift lever. The head chassis is in the position of 4., so the pinch roller and capstan are not pressed together.
8. After the shift lever passes over the cam gear's top-most vertice, the flywheel gear and the cam gear become disengaged. Pressed by the shift lever, the cam gear, which had been following against spring 1 and 2, rotates until the cam gear's stopper B touches the boss on the tip of the trigger arm. ⇒ FF/CUE mode

3. After the SOL turns OFF, 205 ms later the SOL is turned ON again for 135 ms. The select lever and CR lever shift to the right and section B of the head chassis, which has risen, shifts the CR lever to the right. The rising of the head chassis stops on contacting the CR lever. → REW/REV head height position.

Furthermore, because the SOL ON time is shorter than FF/CUE, and the select lever comes to the position of boss C after returning to the left side, the select lever is split to the left.

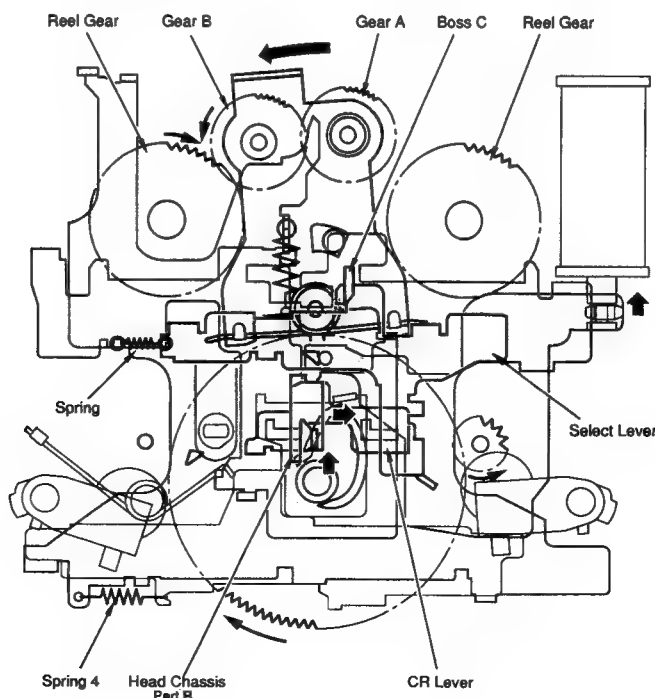


FIG. 12

# RXD-C3/C3L

## CASSETTE MECHANISM DESCRIPTION

4. The SOL is already OFF and the select lever is on the left side. By the same actuation as in 6. of 1) above, the clutch arm head swings to the left and gear B atop the clutch arm engages the left reel gear.
5. With the actuation in 6. of 1), the cam gear's cam C is pressed by the lower end of the clutch arm, and the two-level idler gear driven by the motor engages the play gear attached to the clutch arm, introducing the clutch from the play gear and driving gear A.

6. The cam gear turns even further and the clutch arm separates from cam C. The head chassis is stopped at position 4. of 3) so the clutch arm comes forward again. The idler gear and play gear are disengaged, and the FF/REW gear and idler gear engage. The clutch is introduced from the FF/REW gear and gears A and B and the reel gear are driven.
7. After the shift lever passes over the cam gear's top-most vertice, the flywheel gear and the cam gear become disengaged. Pressed by the shift lever, the cam gear, which had been following against spring 1 and 2, rotates until the cam gear's stopper B touches the boss on the tip of the trigger arm. ⇒ REW/REV mode

### 5) FWD/REV PLAY, FF-CUE/REW-REV → STOP [Fig. 13]

1. 20 ms after key on, SOL turns ON.
2. The boss at the tip of the trigger arm comes apart from stopper B. The cam gear rotates from the force of the shift lever pressing downward.
3. The cam gear begins to engage the flywheel gear, which is rotating due to the CPM. The cam gear turns further, and the shift lever and head chassis lower. (When initiating from RVS Play, the head return plate comes apart from A of the main chassis

and is returned to the left side by spring 4. The head swings around to the FWD direction due to the force of spring 5.

4. The flywheel gear and cam gear disengage, but the force of the shift lever makes rotation continue until the boss at the tip of the trigger arm comes into contact with the cam gear's stopper A. ⇒ STOP mode (switching of the various modes always goes through STOP)

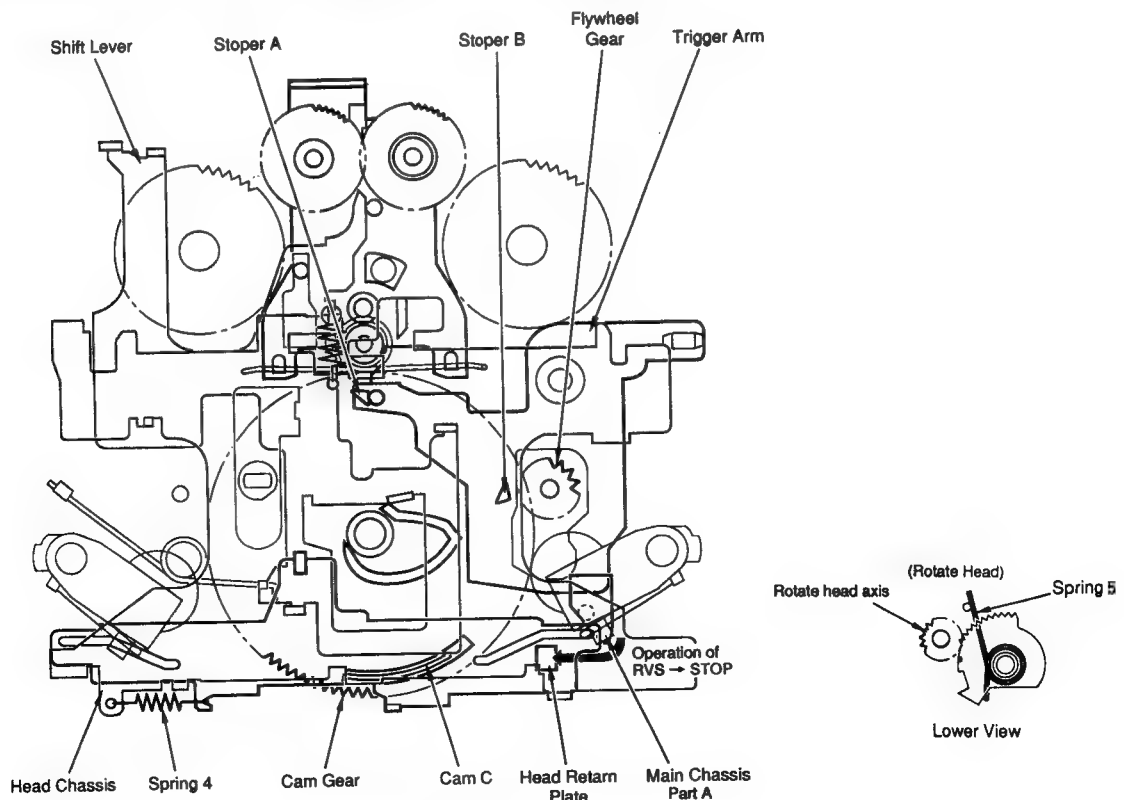


FIG. 13



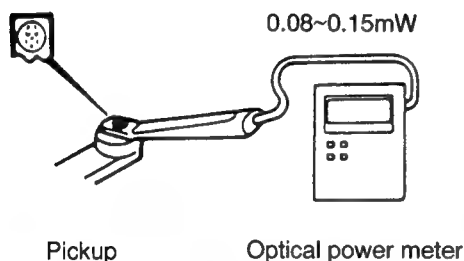
## ADJUSTMENT

### CD section

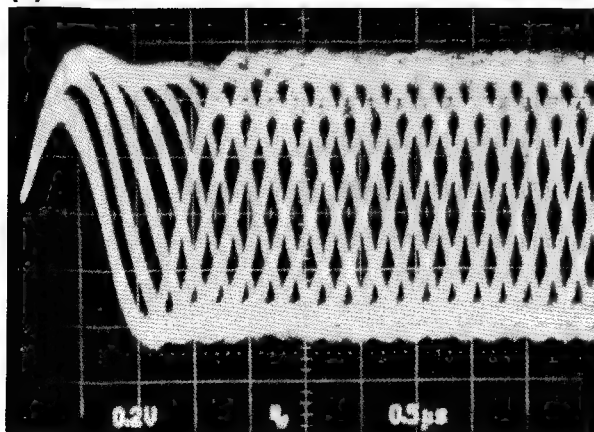
No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
Remove the clamper ass'y before step 1. And remount it after step 1.							
1	LASER POWER	—	Set the sensor section of the optical power meter on the pickup lens.	With pressing the P.MODE key, turn the power on to enter the test mode. Press the "CHECK" key to check that the display is "03".	—	On the power from 0.08 to 0.15mW, when the diffraction grating is correctly aligned with the RF level of 1.0Vp-p or more.	(a)
Cancel test mode and open the tray to load the disc.							
2	FOCUS ERROR	Test disc Type 4	Connect an oscilloscope as follows. CN207 Connect hot side to RF(No.①) Connect Ground to VREF(No.②)	Press the PLAY key.	FE BALANCE VR201	Adjust the waveform to better point.	(b)

(Note) Type 4 disc : SONY YDS-18 Test Disc or equivalent.

### (a) Laser power



### (b)



- RF signal in test mode(PLAY).
- Perform the tangential and focusing offset adjustment so that each of the center cross points are focused into one point on the display. The crossing points above and below the center shall also be displayed clearly.

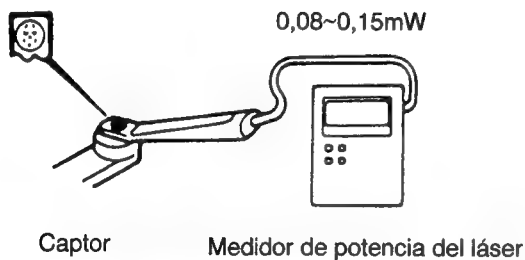
# AJUSTE

## CD sección

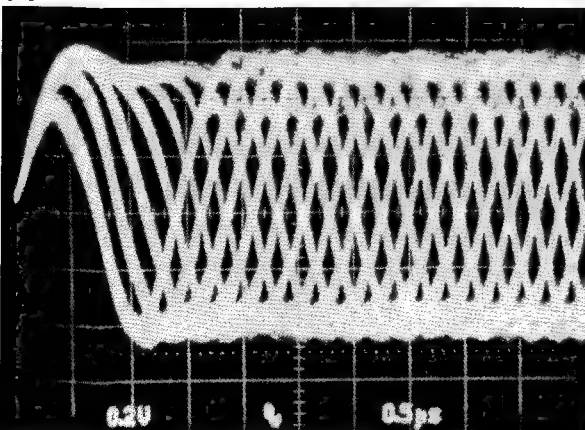
No	ITEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE CALIBRACIÓN	CALIBRA R EN	FIG.
Quite la brazadera antes del paso 1 y vuelva a montarla después del 1.							
1	POTENCIA DEL LÁSER	—	Coloque la sección del sensor del medidor de potencia óptica en la lente del captor.	Active la alimentación eléctrica al tiempo que oprime la tecla P.MODE para acceder a la modalidad de prueba. Oprima la tecla "CHECK" para comprobar que la indicación es "03".	—	A una potencia de 0,08 a 0,15mV, la rejilla de difracción debe estar correctamente alineada, con un nivel de RF de 1,0Vp-p o más.	(a)
Cancelar la modalidad de prueba y abrir la bandeja para cargar el disco.							
2	ERROR DE ENFOQUE	Probar el disco tipo 4.	Conectar un osciloscopio como sigue.CN207 Conectar RD(No①) al lado con corriente Conectar VREF(No④) a masa.	Oprimir la tecla PLAY.	EQUILIBRIO FE VR201	Ajustar al punto donde la forma de onda es óptima.	(b)

(Nota) : Disco tipo 4 : Disco de prueba SONY YDS-18 o equivalente.

### (a) Potencia del láser



### (b)



- Señal RD en modo de prueba(reproducción).
- Realizar los ajustes de desviación tangencial y de enfoque de manera que cada una de las crucetas centrals se enfoquen en punto de la pantalla. Las crucetas que están encima debajo del centro deben también indicarse con claridad.

## ADJUSTMENT

### Cassette Deck section

No.	ITEM	INPUT SETTING	OUTPUT SETTING	DECK SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, set the respective switches as follows: TAPE : NORMAL      DOLBY : OFF      INPUT : AUX(AUX LEVEL : MAX)							
I. Cassette mechanism section(Recording/ play head adjustment)							
1	Degaussing and cleaning	—	—	Power : off, Degaussing, cleaning, PLAY	Recording heads, Erase heads, Capstans, Pinch rollers	Degauss the recording/play heads by a heads eraser. Clean the recording/play heads, erase heads capstans and pinch rollers by a cotton swab soaked with alcohol.	
2	Recording/play head azimuth	SCC-1727, TCC-153, MTT-144, 10kHz, -10dBs	(B)	PLAY	Azimuth adjust- ment screw	Maximize the output and adjust so that the Lissajous figure nears a line slanted 45°	
II. Printed circuit board adjustment    Note : First perform the double-speed adjustment.							
1	Tape speed (double)	SCC-1727, TCC-110, MTT-144, 3kHz,	(B)	After normal play, always short the base side of Q7 to GND to set to high speed.	A DECK : VR7 B DECK : VR1	Adjust so that the frequency is 6 kHz at the tape center.	
2	Tape speed (normal)	SCC-1727, TCC-110, MTT-111, 3kHz,	(B)		A DECK : VR8 B DECK : VR2	Adjust so that the frequency is 3 kHz at the tape center.	
III. Printed circuit board adjustment(X28-2620-00)							
1	Play back level	MTT-150 400Hz	(B)	PLAY	A DECK : VR9(L) VR10(R) B DECK : VR3(L) VR4(R)	Set pins No.1(L ch) and No.4(R ch) of CN401 to -0.5dBs. Or, set pins No.8(L ch) and No.49(R ch) of IC 401 to 775mV.	
2	Bias current	INPUT : MAX 1kHz , -10dBs 10kHz, -30dBs	(B)	Adjust AUX input so that the reco- rding monitor output of CN401 becomes -20dBs at 1kHz, and record and play 1kHz and 10kHz alternately.	B DECK : VR5(L) VR6(R)	Record 1kHz and 10kHz reciprocally, and adjust so that they are identical in playback level.	
3	Bias oscilating frequency	Load the non recorded tapes on Deck A and B.	Connect the frequency counter between E.H & GND on Deck A, between E.H & GND on Deck B.	REC	B DECK: L3	After confirming BEAT CANCEL OFF, adjust so that the frequency counter shows 105kHz.	

※ Equipment connection : Refer to page 34.

# AJUSTE

## Cassette Deck sección

Orden	Ítem	Ajuste de entrada	Ajuste de salida	Ajuste de la platina	Puntos de ajuste	MÉtodo de ajuste	Fig.
A menos que se indique lo contrario, ajustar los interruptores respectivos de la manera siguiente: TAPE: NORMAL      DOLBY: OFF    INPUT: AUX (NIVEL DE AUX : MAX)							
I. Sección del mecanismo de la cassette (ajuste de la cabeza de grabación/reproducción)							
1	Desmagnetización y limpieza	—	—	Alimentación: apagado, desmagnetización, limpieza, reproducción	Cabezas de grabación, cabezas de borrado, ejes de arrastre, rodillos presores	Desmagnetizar las cabezas de grabación/reproducción con un borrador de cabezas. Limpiar las cabezas de grabación/reproducción, cabezas de borrado, ejes de arrastre y rodillos presores con un bastoncillo de algodón humedecido en alcohol.	
2	Acimut de la cabeza de grabación/reproducción	SCC-1727, TCC-153, MTT-144, 10kHz, -10dBs	(B)	REPRODUCCIÓN (PLAY)	Tornillo de ajuste del acimut	Maximizar la salida y ajustar de manera que la forma de Lissajous se aproxime a una línea inclinada 45°	
II. Ajuste de la tarjeta de circuito impreso      Nota: Efectuar primero el ajuste de la velocidad doble.							
1	Velocidad de la cinta (doble)	SCC-1727, TCC-110, MTT-144, 3kHz	(B)	Después de la reproducción normal, cortocircuitar siempre la base de Q7 con masa (GND) para ajustarlo en alta velocidad.	PLATINA A: VR7 PLATINA B: VR1	Ajustar de manera que la frecuencia sea de 6 kHz en el centro de la cinta.	
2	Velocidad de la cinta (normal)	SCC-1727, TCC-110, MTT-111, 3kHz	(B)		PLATINA A: VR8 PLATINA B: VR2	Ajustar de manera que la frecuencia sea de 3 kHz en el centro de la cinta.	
III. Ajuste de la tarjeta de circuito impreso (X28-2620-00)							
1	Nivel de reproducción	MTT-150 400Hz	(B)	REPRODUCCIÓN (PLAY)	PLATINA A: VR9 (IZQ.) VR10 (DCH.) PLATINA B: VR3 (IZQ.) VR4 (DCH.)	Ajustar los contactos n°1 (canal izq.) y n° 4 (canal dch.) de CN401 en -0,5 dBs. O ajustar los contactos n° 8 (canal izq.) y n° 49 (canal dch.) de IC401 en 775 mV.	
2	Corriente de polarización	ENTRADA : AUX 1kHz, -10dBs 10kHz, -30dBs	(B)	Ajustar el entrada AUX de manera que la salida de comprobación de volumen de CN401 sea de -20 dBs a 1 kHz, y grabar y reproducir 1 kHz y 10 kHz alternadamente.	PLATINA B: VR5 (IZQ.) VR6 (DCH.)	Grabar 1 Mhz y 10 kHz recíprocamente, y ajustar de manera que sean idénticos en el nivel de reproducción.	
3	FRECUENCIA DE OSCILACIÓN DE LA POLARIZACIÓN	Cargar las cintas sin grabar en las platinas A y B.	Conectar el contador de frecuencias entre E.H. y masa de la platina A y entre E.H. y masa de la platina B.	GRABACIÓN (REC)	PLATINA B: L3	Después de confirmar que la cancelación de batido (BEAT CANCEL) está desactivada, ajustar de manera que el contador de frecuencias indique 105 kHz.	

※Conectar de equivalent : como sigue page 34.

# RXD-C3/C3L

## ADJUSTMENT

### TUNER section

K.P.M.X.R, I Type (X29-249X)

No.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
<b>FM SECTION</b>		<b>BAND : FM</b>					
1	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, $\pm 68.25$ kHz dev Pilot : $\pm 7.5$ kHz dev 60 dB $\mu$ (ANT input)	(B)	AUTO 98.0MHz	IFT (W02-)	Minimum distortion.	

E.T.G Type (X29-248X)

No.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
<b>FM SECTION</b>		<b>BAND : FM</b>					
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, $\pm 75$ kHz dev 60 dB $\mu$ (ANT input)	Connect a DC voltmeter between TP3 and TP4. (X05-)	AUTO or MONO 98.0MHz	L3 (X05-)	0V	(c)
2	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, $\pm 68.25$ kHz dev Pilot : $\pm 7.5$ kHz dev 60 dB $\mu$ (ANT input)	(B)	AUTO 98.0MHz	IFT (W02-)	Minimum distortion.	
3	SEPARATION	(C) 98.0MHz 1kHz, $\pm 40$ kHz dev Pilot : $\pm 6$ kHz dev Selector : L or R 60 dB $\mu$ (ANT input)	(B)	AUTO 98.0MHz	VR3 (X29-)	Minimum crosstalk.	
4	TUNING LEVEL	(C) 98.0MHz 1kHz, $\pm 75$ kHz dev 14dB $\mu$ (ANT input) 75 $\Omega$ 18dB $\mu$ (ANT input) 300 $\Omega$	(B)	AUTO or MONO 98.0MHz	VR1 (X29-)	Adjust VR1 and stop at the point where FL201(TUNED) goes ON.	
<b>AM SECTION</b>		<b>BAND : AM(MW)</b>					
1	TUNING LEVEL	(D) 1008MHz 400Hz, 30% mod 26 dB $\mu$ (ANT input)	(B)	1008 kHz	VR2 (X29-)	Adjust VR2 and stop at the point where FL201(TUNED) goes ON.	

※ Equipment connection : Refer to page 34.

## AJUSTE

### TUNER sección

Tipo K.P.M.X.R, I (X29-249X)

No	ITEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE CALIBRACIÓN	CALIBRA R EN	FIG.
<b>SECCIÓN DE FM BANDA: FM</b>							
1	DISTORSIÓN (ESTÉREO)	(C) 98,0 MHz 1 kHz, $\pm 68,25$ kHz desv. Piloto: $\pm 7,5$ kHz desv. 60 dB $\mu$ (entrada ANT)	(B)	AUTO 98,0 Mhz	IFT (W02-)	Distorsión mínima	

Tipo E.T.G(X29-248X)

No	ITEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE CALIBRACIÓN	CALIBRA R EN	FIG.
<b>FM SECTION BAND : FM</b>							
1	DISCRIMINADOR	(A) 98,0 MHz 1 kHz, $\pm 75$ kHz desv. 60 dB $\mu$ (entrada ANT)	Conectar un voltímetro de CC entre TP3 y TP4. (X05-)	AUTO o MONO 98,0 MHz	L3 (X05-)	0V	(c)
2	DISTORSIÓN (ESTÉREO)	(C) 98,0 MHz 1 kHz, $\pm 68,25$ kHz desv. Piloto: $\pm 7,5$ kHz desv. 60 dBm (entrada ANT)	(B)	AUTO 98,0 MHz	IFT (W02-)	Distorsión mínima	
3	SEPARACIÓN	(C) 98,0 MHz 1 kHz, $\pm 40$ kHz desv. Piloto: $\pm 6$ kHz desv. Selector: L o R 60 dBm (entrada ANT)	(B)	AUTO 98,0 MHz	VR3 (X29-)	Diafonía mníma	
4	NIVEL DE SINTÓNA	(A) 98,0 MHz 1 kHz, $\pm 75$ kHz desv. 14 dB $\mu$ (entrada ANT) 75 $\Omega$ 14 dBm(entrada ANT) 300 $\Omega$	(B)	AUTO o MONO 98,0 MHz	VR1 (X29-)	Ajustar VR1 y parar en el punto donde se activa FL201 (TUNED)	
<b>SECCIÓN DE AM BANDA: AM (OM)</b>							
1	NIVEL DE SINTÓNA	(D) 1008 kHz 400 Hz, 30% mod. 26 dB $\mu$ (entrada ANT)	(B)	1008 kHz	VR2 (X29-)	Ajustar VR2 y parar en el punto donde se activa FL201 (TUNED)	

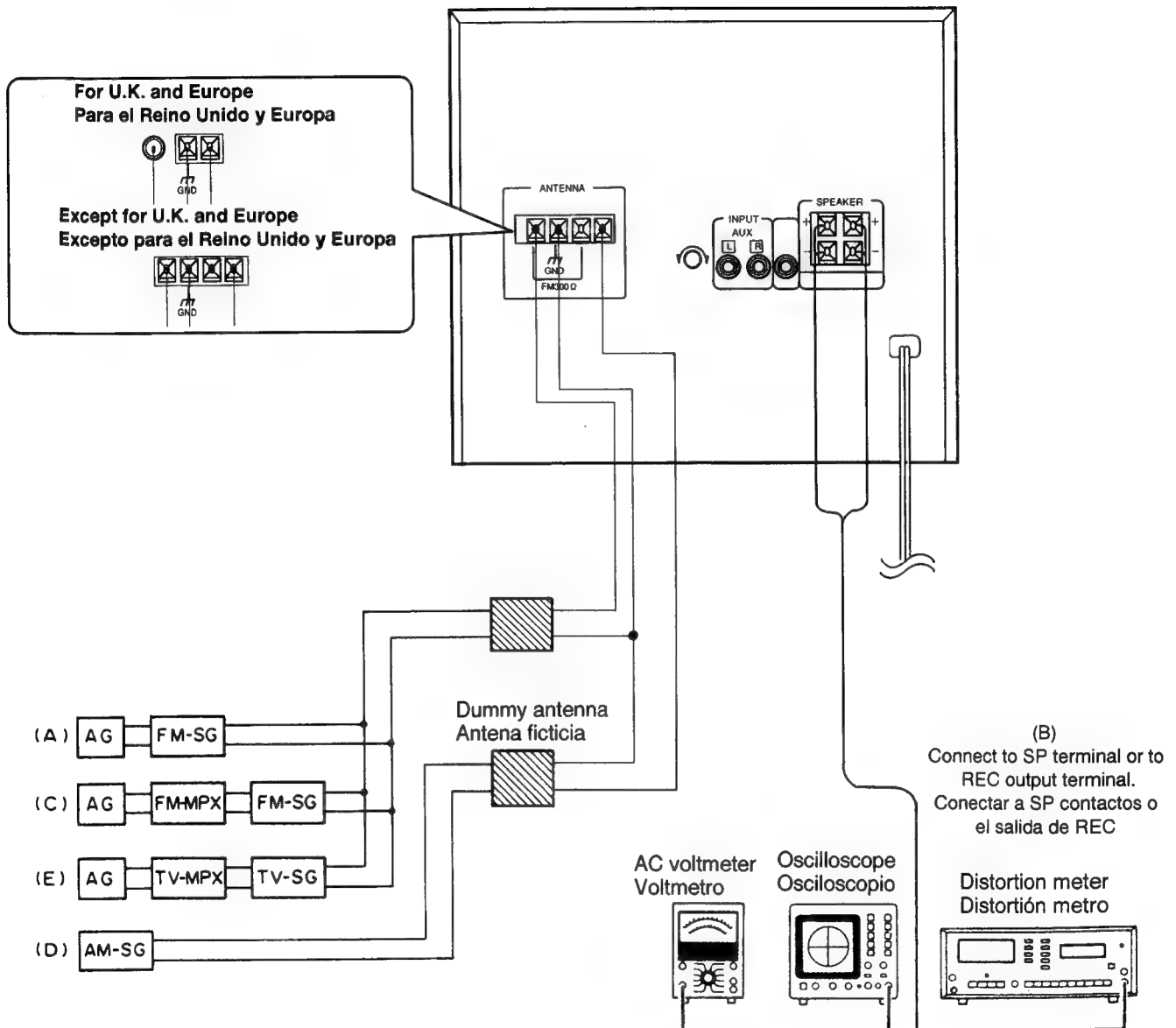
※Conectar de equivalent : como sigue page 34.



# RXD-C3/C3L

## ADJUSTMENT

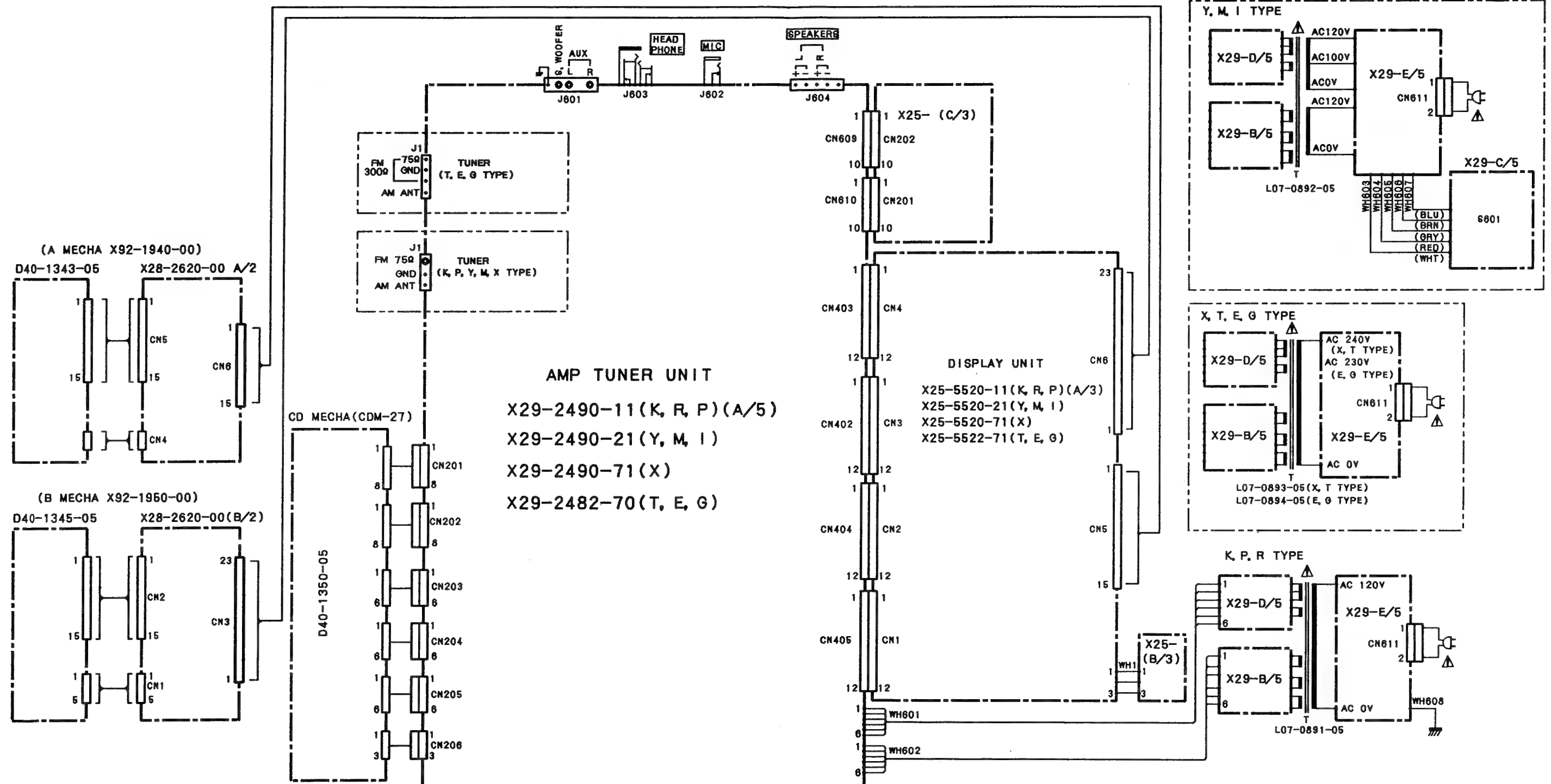
(c)



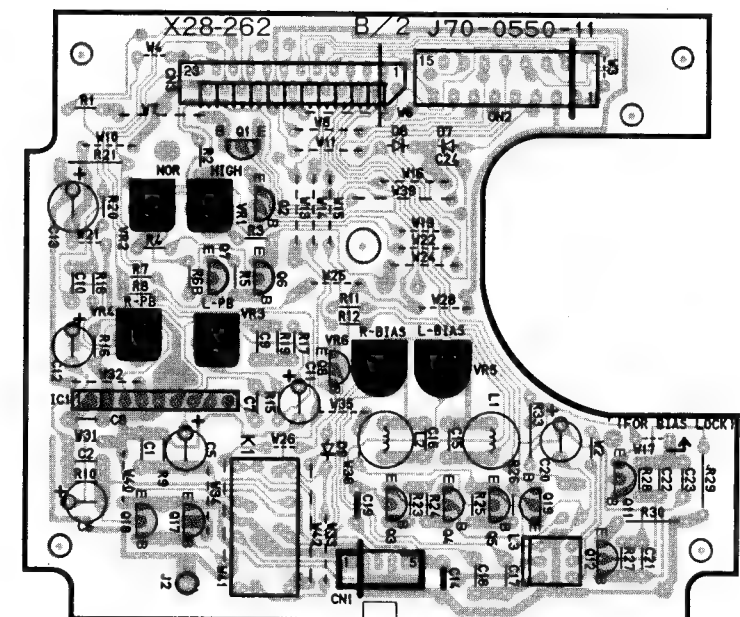
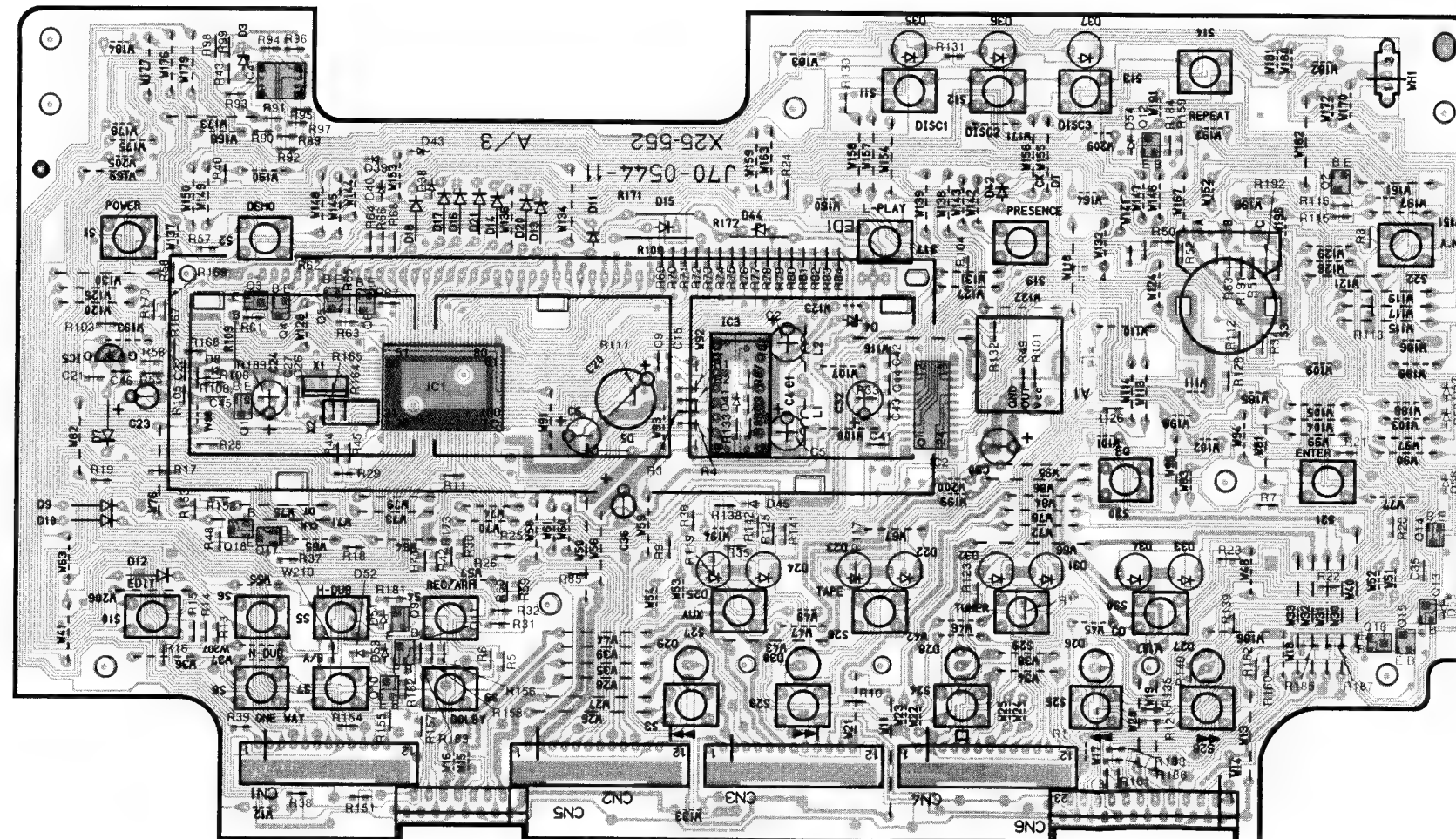
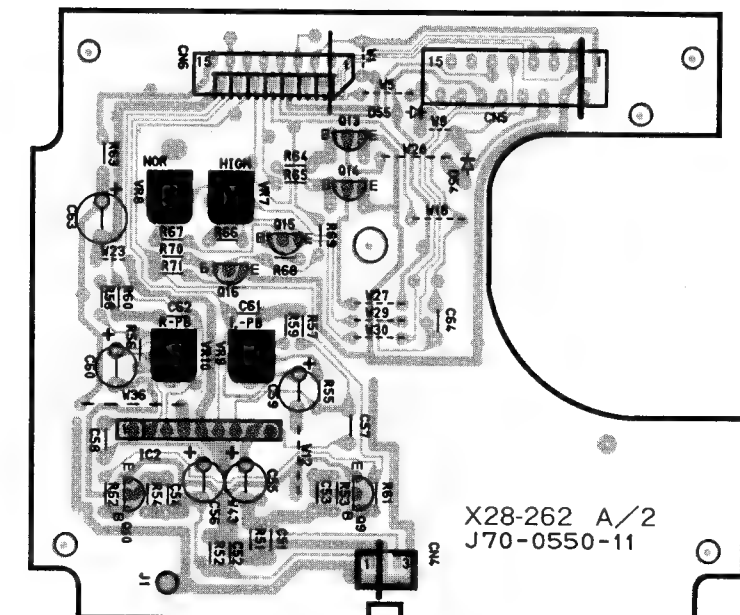
REC output : for X29 L ch, connect CN401 pin 1 to GND;  
for X29 R ch, connect CN401 pin 4 to GND.

Salida de REC : X29 canal izp., Conectar CN401  
contactos nº 1 a masa.  
X29 canal dch., Conectar CN401  
contactos nº 4 a masa.

# RXD-C3/C3L RXD-C3/C3L WIRING DIAGRAM



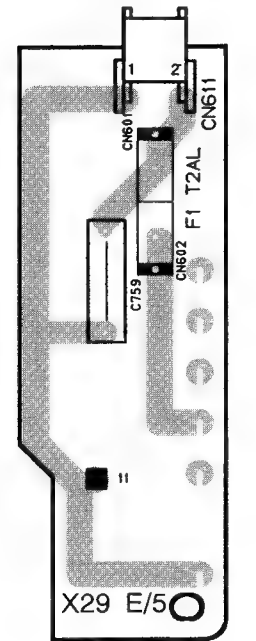
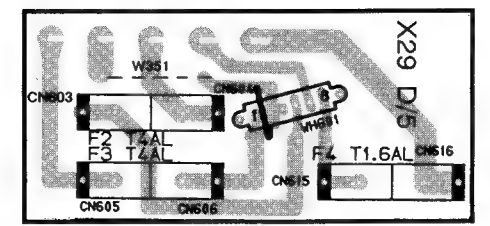
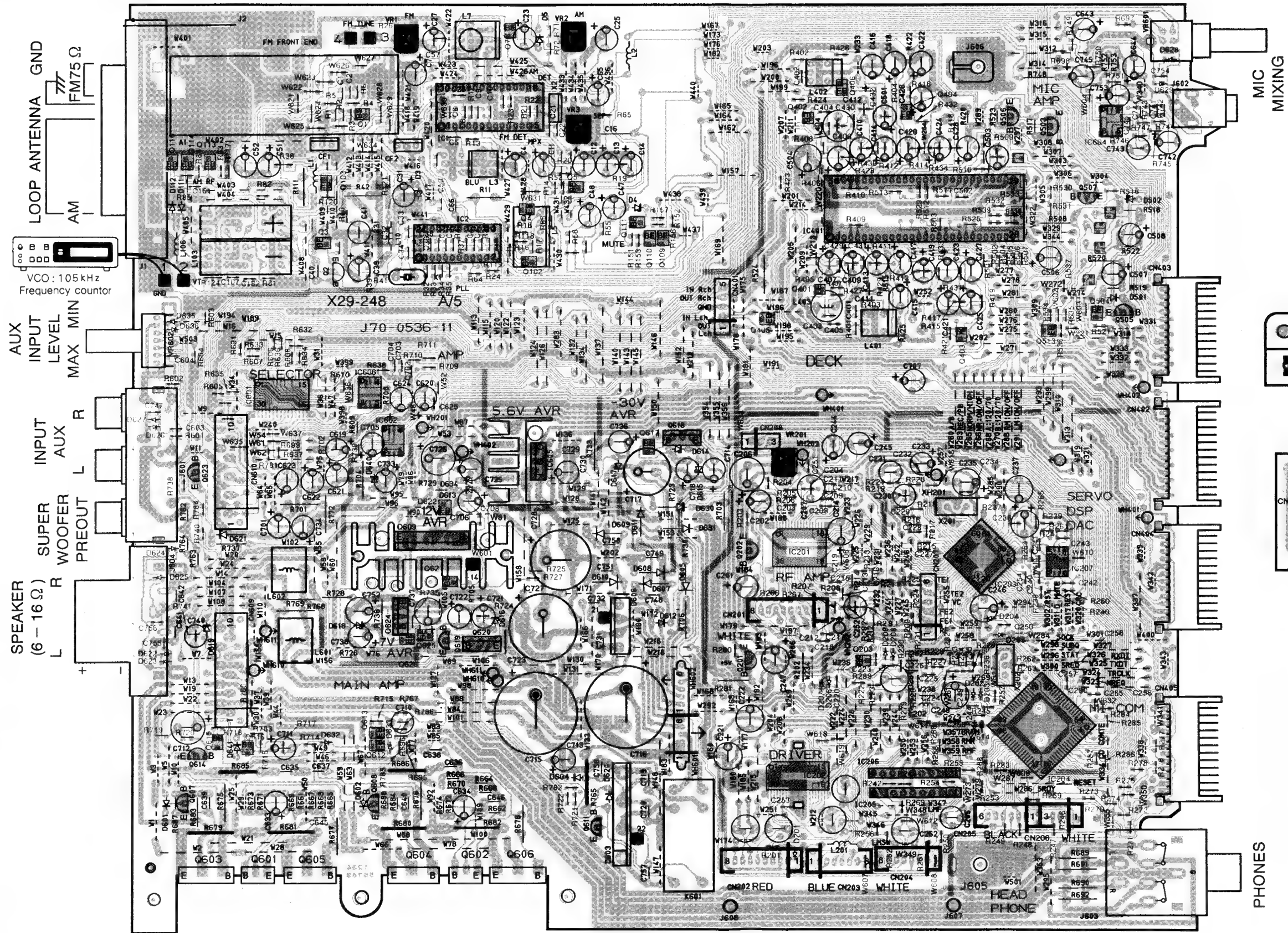
**DISPLAY UNIT (X25-5520-11) : K, P, R TYPE**  
**(X25-5520-21) : Y, M, I TYPE**  
**(X25-5520-71) : X, TYPE**  
**(X25-5522-71) : E, T, G TYPE**





A	B	C	D	E	F	G	H	I	J
---	---	---	---	---	---	---	---	---	---

A	B	C	D	E	F	G	H	I	J
---	---	---	---	---	---	---	---	---	---



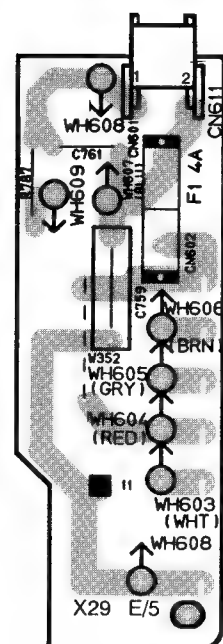
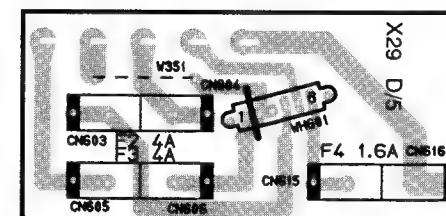
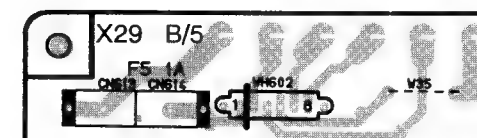
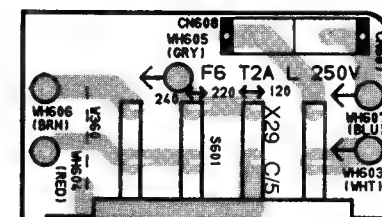
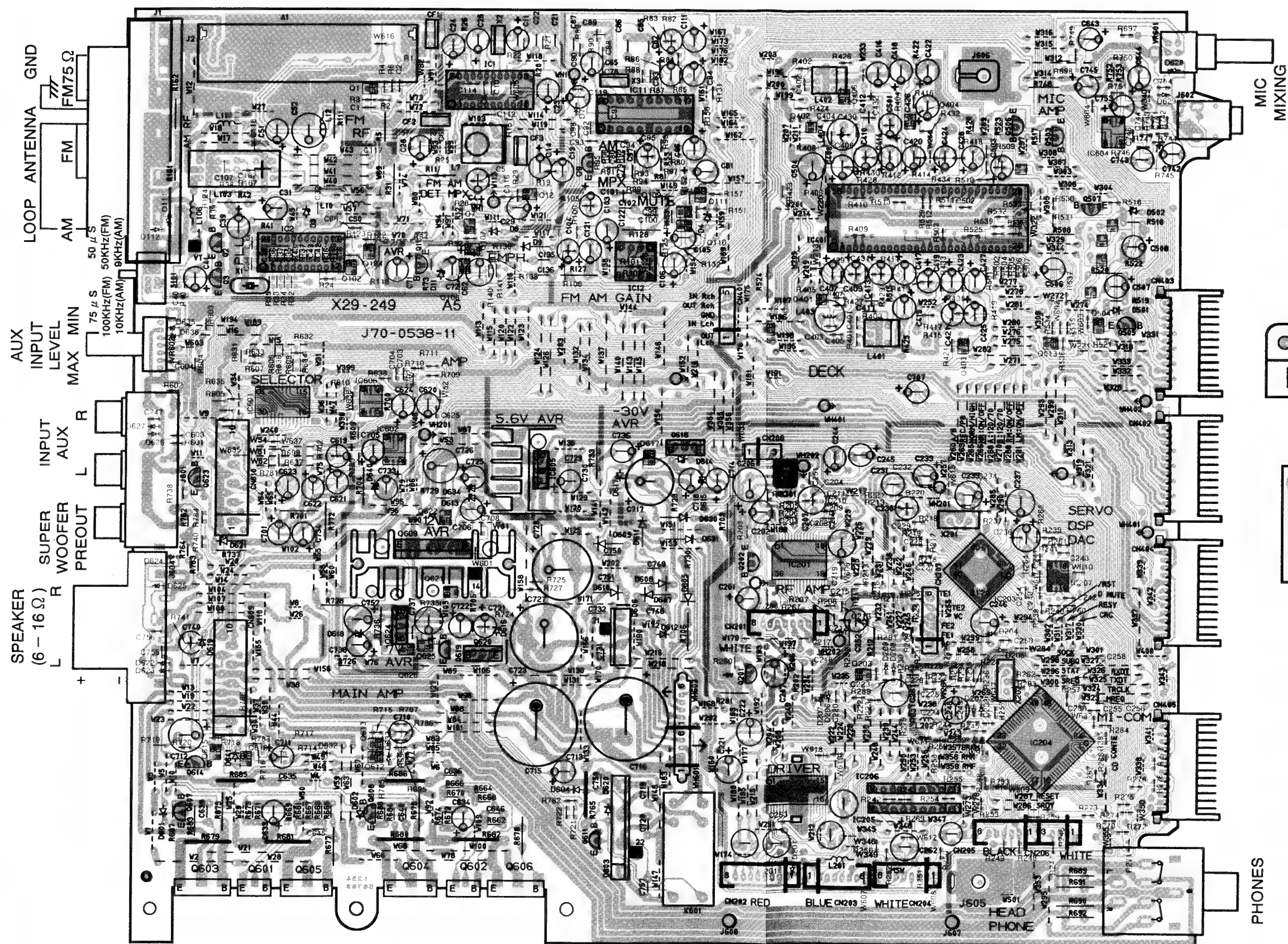
FRONT





# PC BOARD(Component Side View)

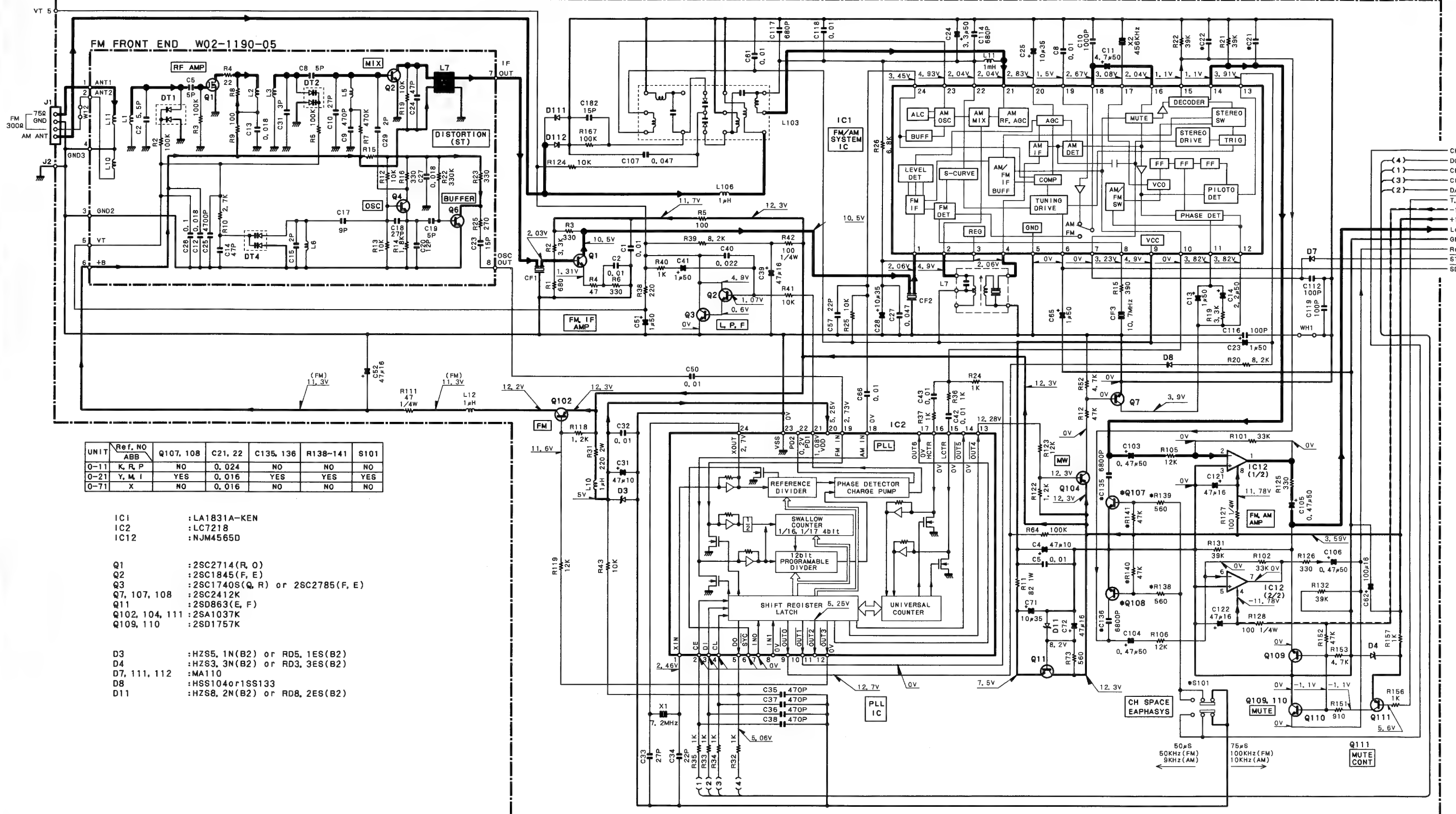
MAIN UNIT-TUNER (X29-2490-11) : K, P, R, TYPE  
(X29-2490-21) : Y, M, I TYPE  
(X29-2490-71) : X TYPE



FRONT

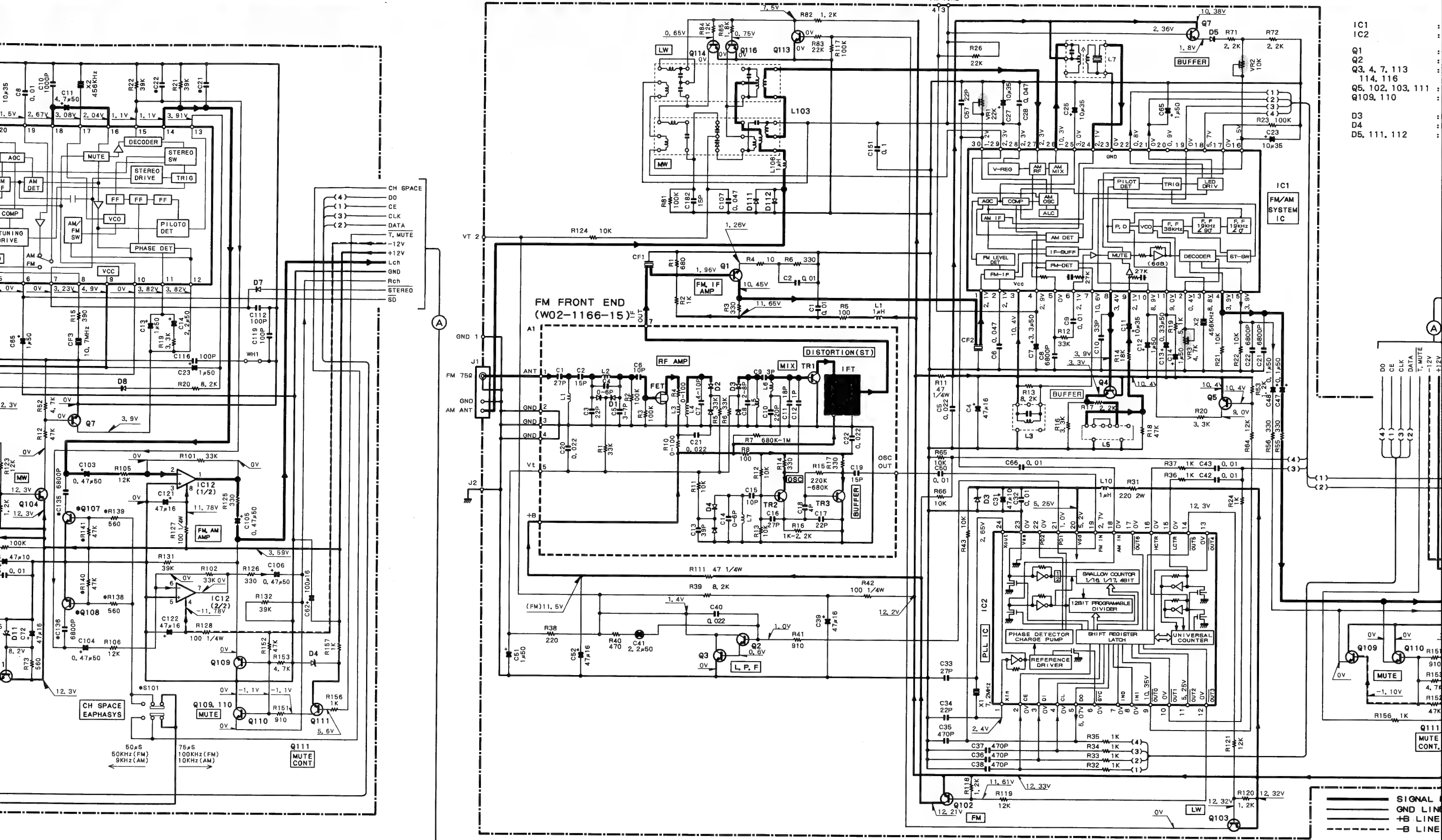


X29-2490-XX (K, R, P, Y, M, I, X TYPE) TUNER





X29-2482-70 (T. E. G TYPE) TUNER

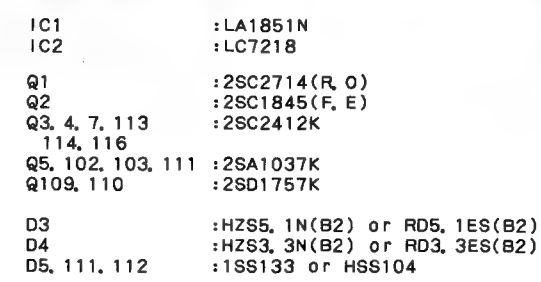


DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

**CAUTION:** For continued safety, replace only with manufacturer's recommended parts list. ⚠ Indicates safety critical components. Risk of electric shock, leakage-current or shall be carried out (exposed parts are the supply circuit) before the appliance is repaired.

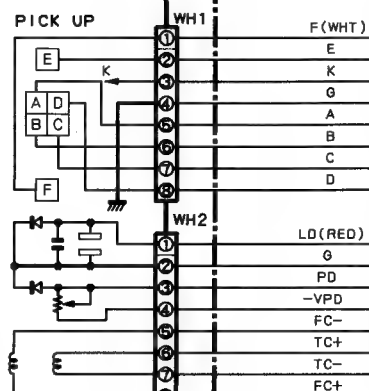


**RXD-C3/C3L**  
**KENWOOD**

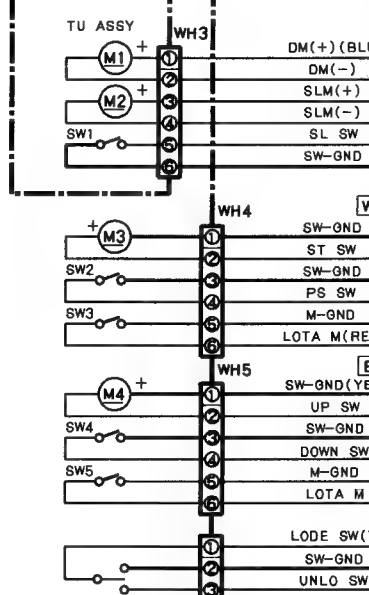
UNIT	ABB
90-11	K, R, P
90-21	Y, M, I
90-71	X, T
82-70	E, G

CDM-27  
GC-300

KSS-210A



KSM-2101ABM



X29-24xx-xx(A/5) DECK

PICK  
RAZER  
APC

Q202

R203

R202

R201

R200

R199

R198

R197

R196

R195

R194

R193

R192

R191

R190

R189

R188

R187

R186

R185

R184

R183

R182

R181

R180

R179

R178

R177

R176

R175

R174

R173

R172

R171

R170

R169

R168

R167

R166

R165

R164

R163

R162

R161

R160

IC201

IC202

IC203

:AN8806SB

:BA6398FP

:MN66271RA

IC204

IC205, 206

IC207

:PD78012BGC-634

:TA8409S

:NJM2100M

Q201

Q202

Q203

:2SA1534A(R, S)

:2SA954(L, K)

:2SC2412K

D201-209 :MA110

LOW PASS  
FILTER

R261

R260

R259

R258

R257

R256

R255

R254

R253

R252

R251

R250

R249

R248

R247

R246

R245

R244

R243

R242

R241

R240

R239

R238

R237

R236

R235

R234

R233

R232

R231

R230

R229

R228

R227

R226

R225

R224

R223

R222

R221

R220

R219

R218

R217

R216

R261

R260

R259

R258

R257

R256

R255

R254

R253

R252

R251

R250

R249

R248

R247

R246

R245

R244

R243

R242

R241

R240

R239

R238

R237

R236

R235

R234

R233

R232

R231

R230

R229

R228

R227

R226

R225

R224

R223

R222

R221

R220

R219

R218

R217

R261

R260

R259

R258

R257

R256

R255

R254

R253

R252

R251

R250

R249

R248

R247

R246

R245

R244

R243

R242

R241

R240

R239

R238

R237

R236

R235

R234

R233

R232

R231

R230

R229

R228

R227

R226

R225

R224

R223

R222

R221

R220

R219

R218

R217

R261

R260

R259

R258

R257

R256

R255

R254

R253

R252

R251

R250

R249

R248

R247

R246

R245

R244

R243

R242

R241

R240

R239

R238

R237

R236

R235

R234

R233

R232

R231

R230

R229

R228

R227

R226

R225

R224

R223

R222

R221

R220

R219

R218

R217

R261

R260

R259

R258

R257

R256

R255

R254

R253

R252

R251

R250

R249

R248

R247

R246

R245

R244

R243

R242

R241

R240

R239

R238

R237

R236

R235

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R229

R228

R227

R226

R225

R224

R223

R222

R221

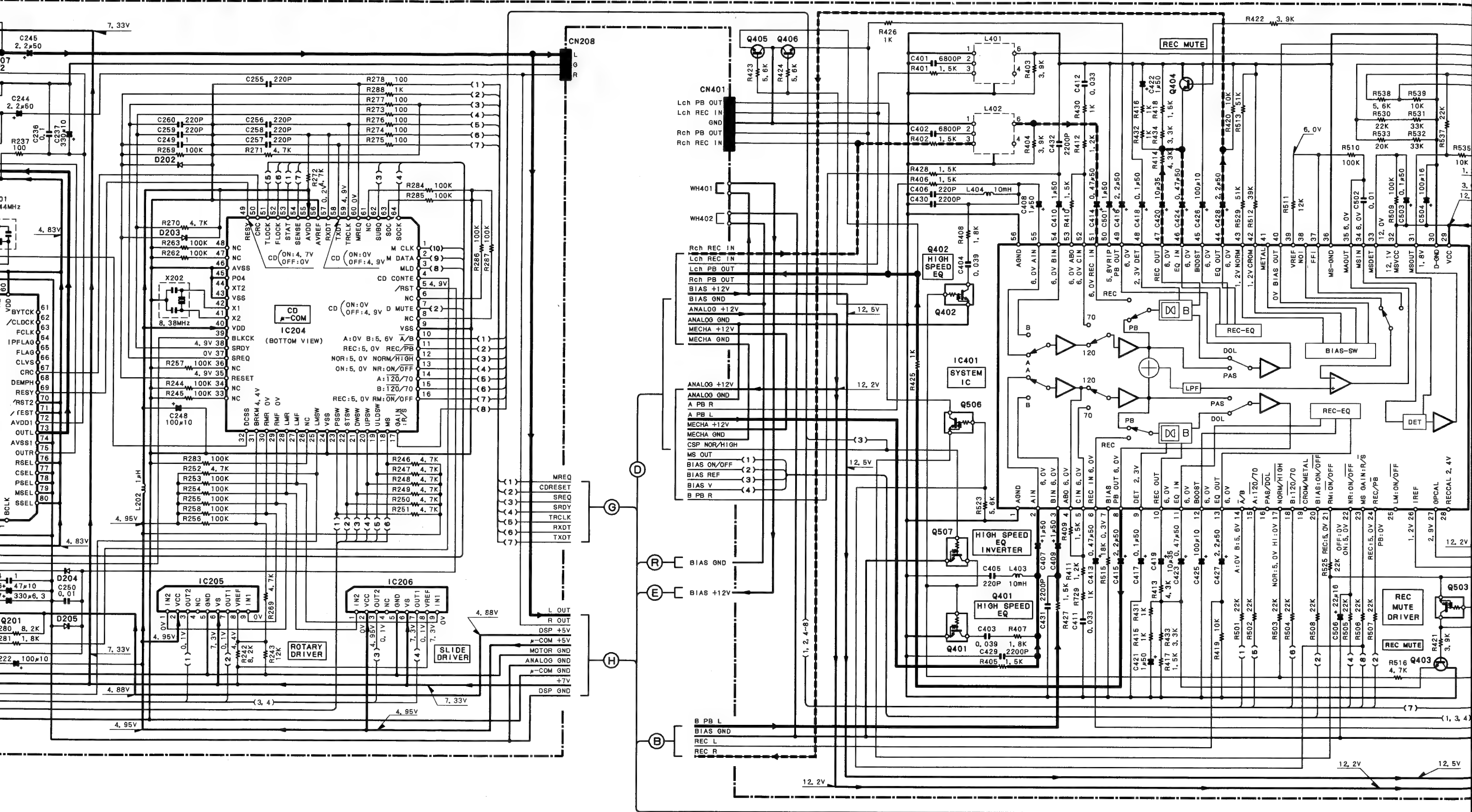
R220

R219

R218

R217

R261



Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

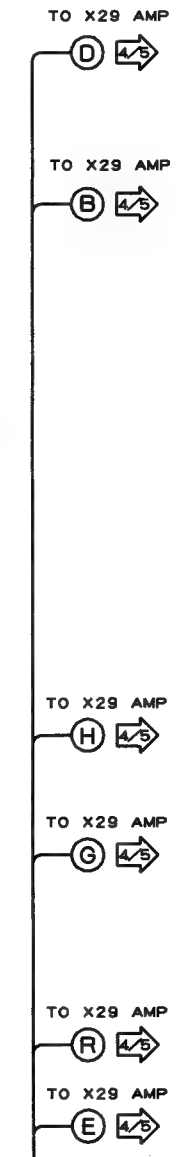
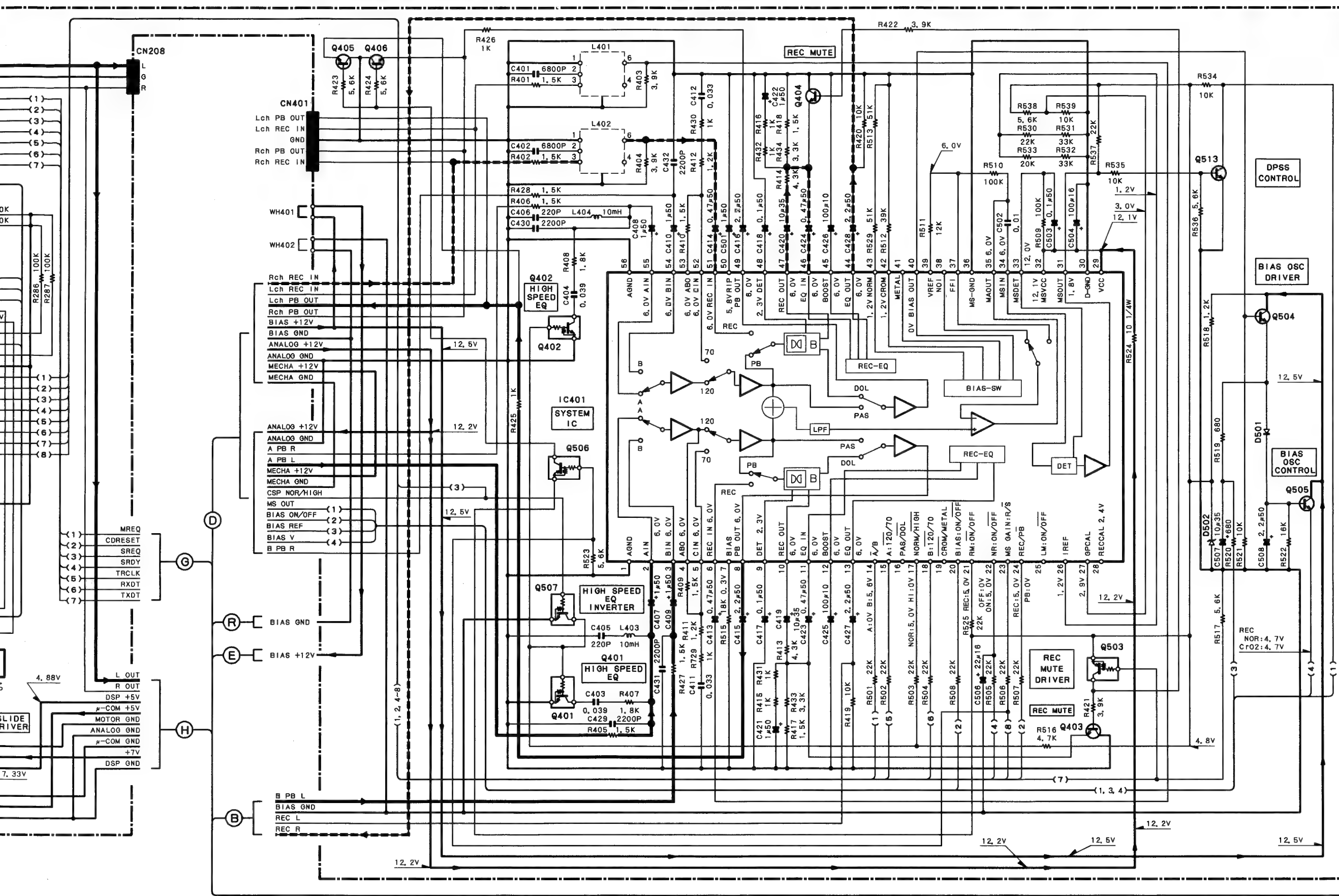
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

**CAUTION:** For continued safety, replace safety parts only with manufacturer's recommended parts list. ⚠ Indicates safety critical components. Risk of electric shock, leakage current or resistance shall be carried out (exposed parts are acceptable the supply circuit) before the appliance is returned er.

IC401	: HA12182NT	Q401, 402	: DTC124EU	Q504, 513	: 2SC2412K	D501	: 1SS133 or HSS104
		Q403, 404	: 2SD1757K	Q505	: 2SC3940A(R, S)	D502	: HZS5, 1N(B2) or RD5, 1E
		Q503, 506	: DTA124ES or UN4112	Q507	: DTC124ES		





— SIGNAL LINE  
 — GND LINE  
 — +B LINE  
 - - - -B LINE

IC401 : HA12182NT

Q401, 402 : DTC124EU  
 Q403, 404 : 2SD1757K  
 405, 406 : DTA124ES or UN4112  
 Q503, 506 : DTA124ES or UN4112

Q504, 513 : 2SC2412K  
 Q505 : 2SC3940A(R, S)  
 Q507 : DTC124ES

D501 : 1SS133 or HSS104  
 D502 : HZS5, 1N(B2) or RDS, 1ES(B2)

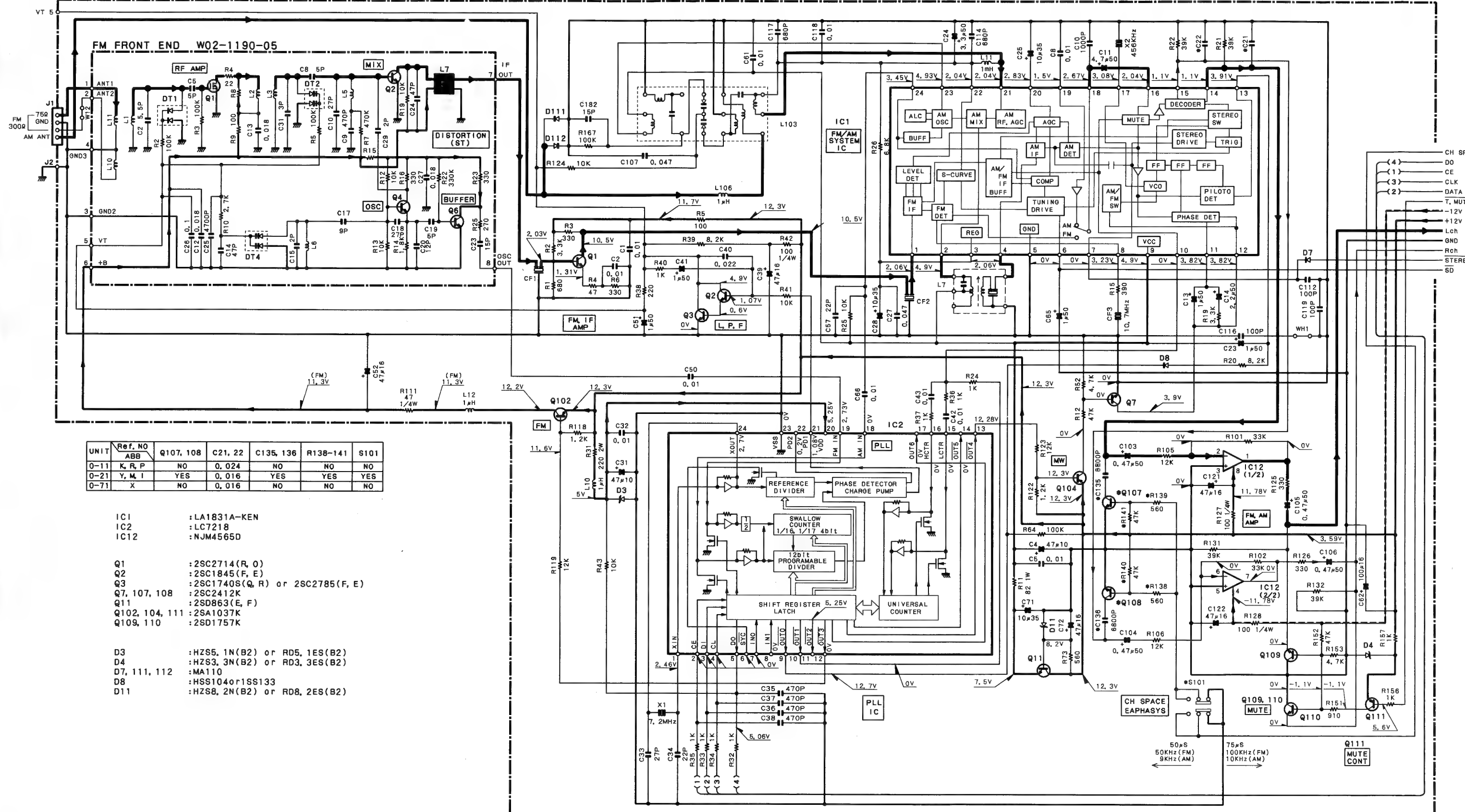
**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Spannungswerte wurden mit einem Messer gemessen. Dabei schwanken von Unterschieden zwischen ein-Geräten u. U. geringfügig.

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

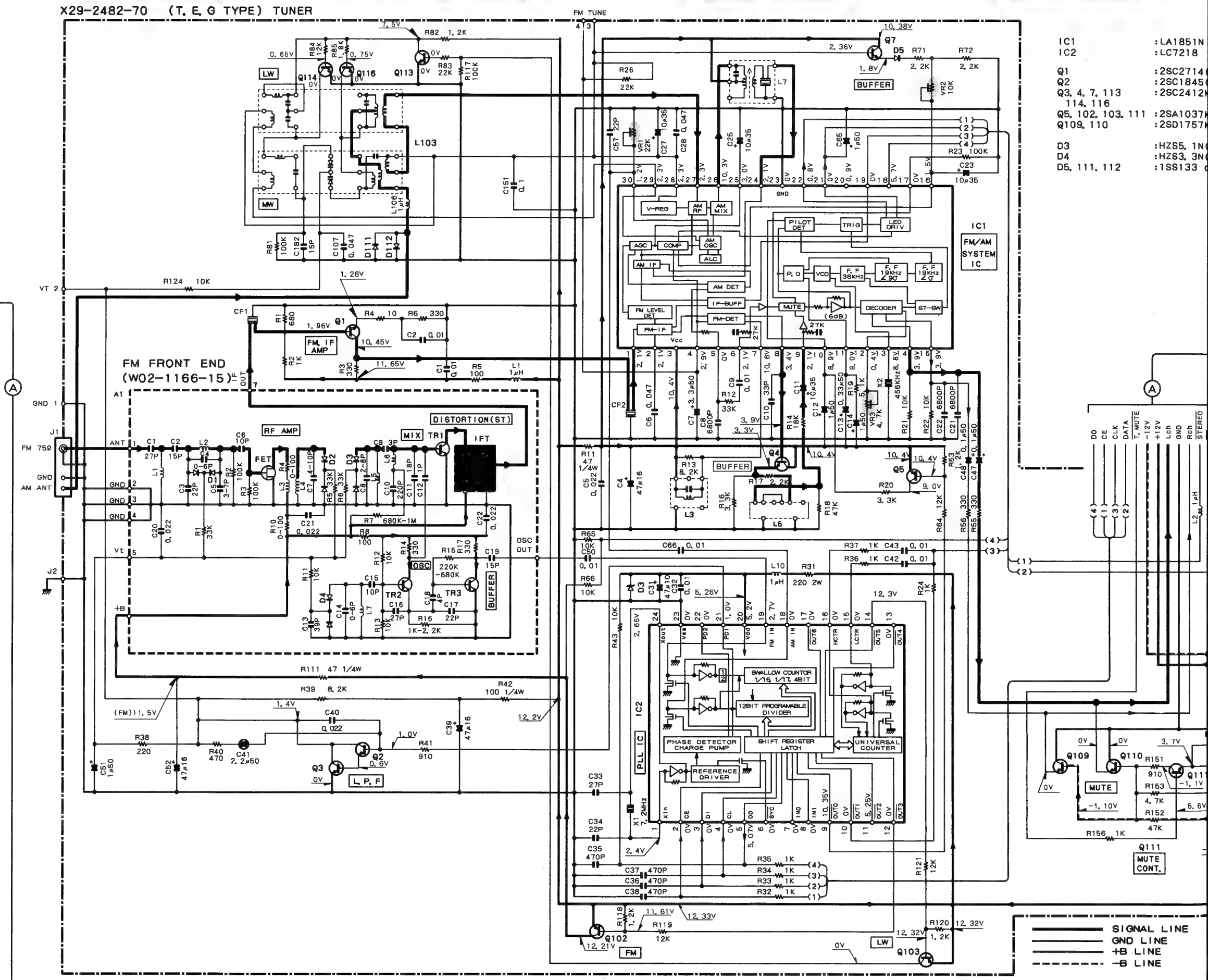
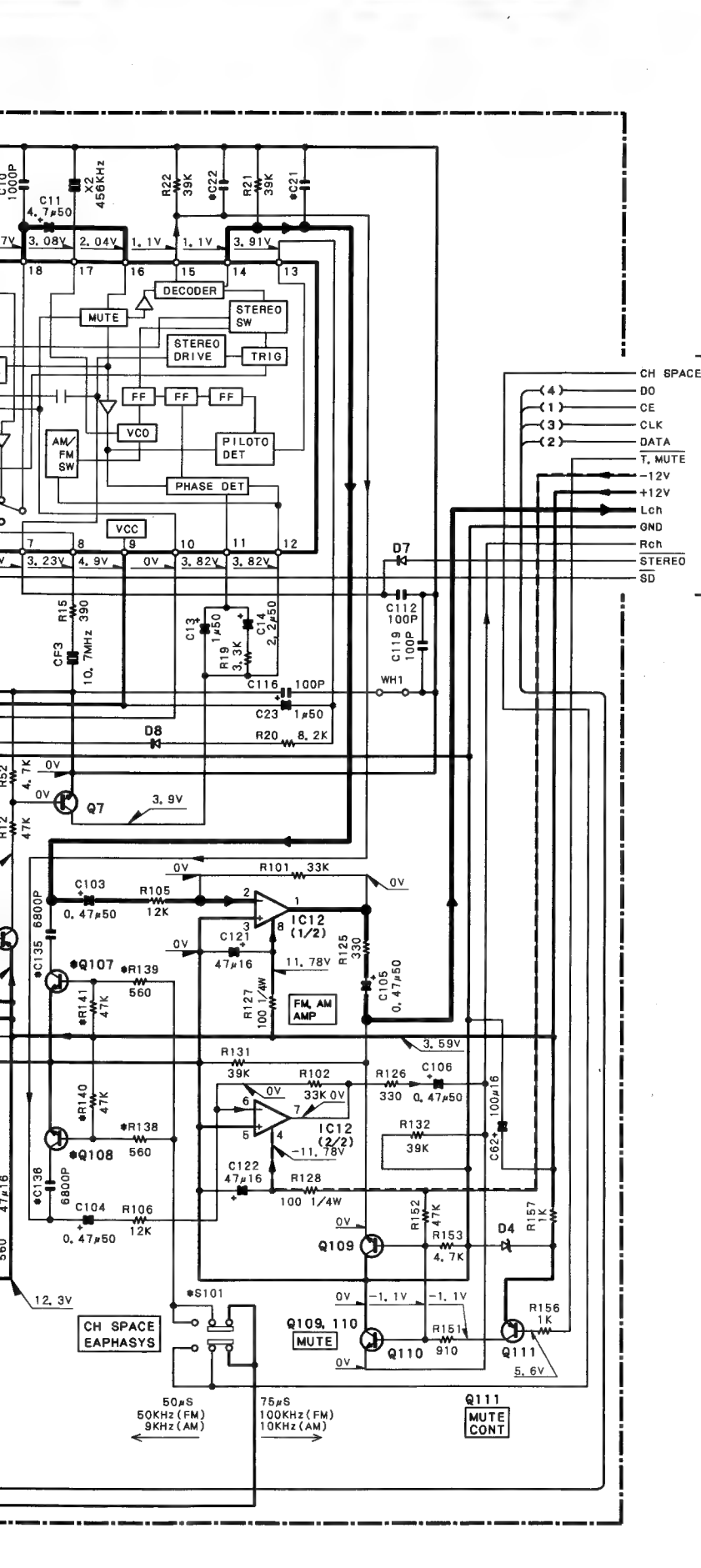
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

# X29-2490-XX (K, R, P, Y, M, I, X TYPE) TUNER





X29-2482-70 (T. E. G TYPE) TUNER

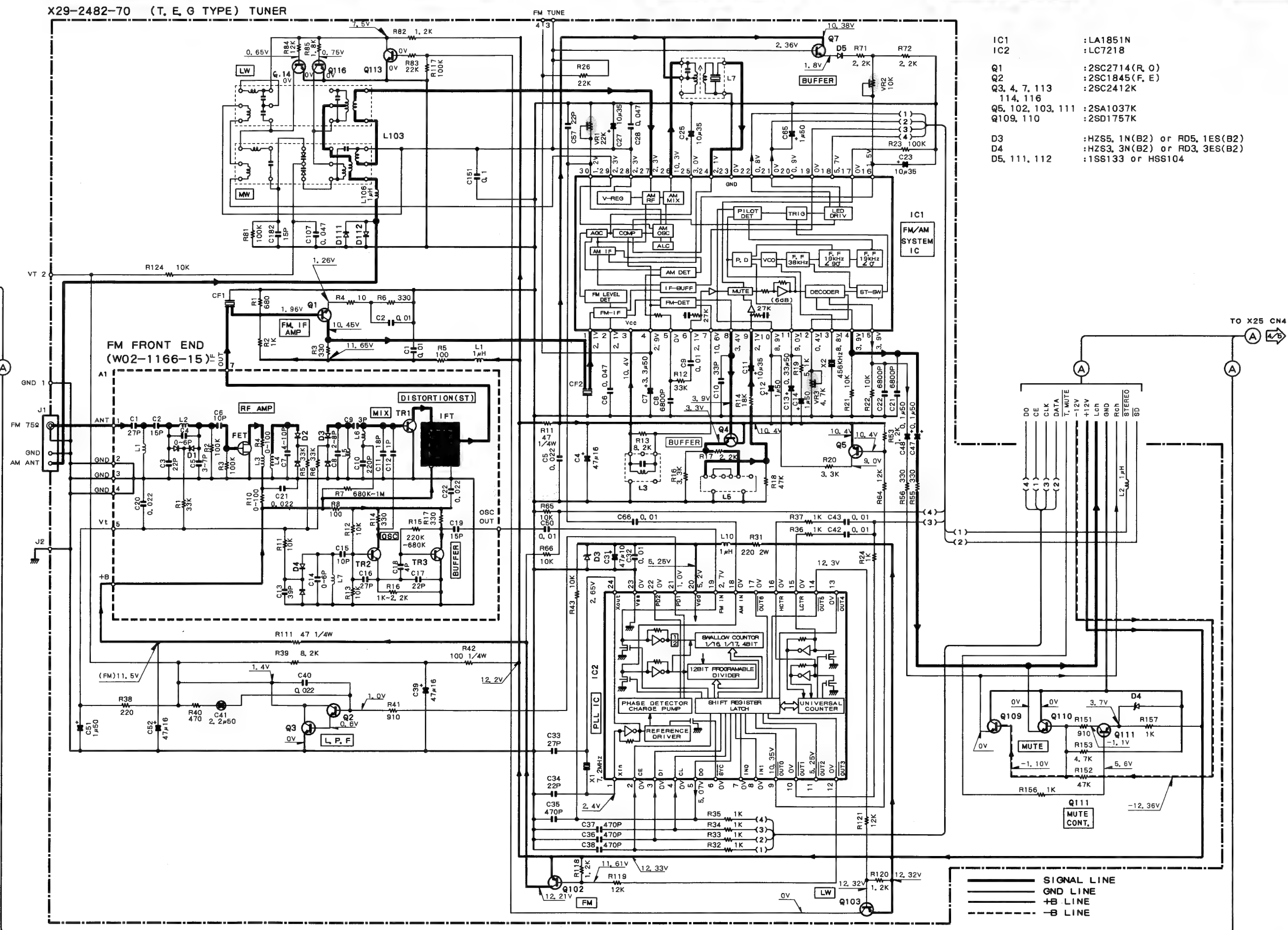


DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

**CAUTION:** For continued safety, replace safety parts only with manufacturer's recommended parts list). ⚠ Indicates safety critical component. Risk of electric shock, leakage-current or resistance shall be carried out (exposed parts are acceptable in the supply circuit) before the appliance is returned.



IC1 :LA1851N  
 IC2 :LC7218  
 Q1 :2SC2714(R, O)  
 Q2 :2SC1845(F, E)  
 Q3, 4, 7, 113 :2SC2412K  
 114, 116 :2SA1037K  
 Q5, 102, 103, 111 :2SD1757K  
 Q109, 110 :2SD1757K  
 D3 :H2S5, 1N(B2) or RD5, 1ES(B2)  
 D4 :H2S3, 3N(B2) or RD3, 3ES(B2)  
 D5, 111, 112 :1SS133 or HSS104

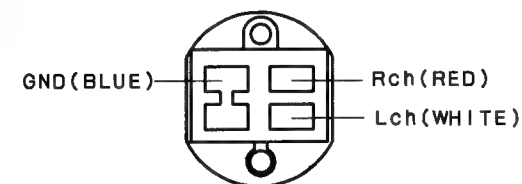
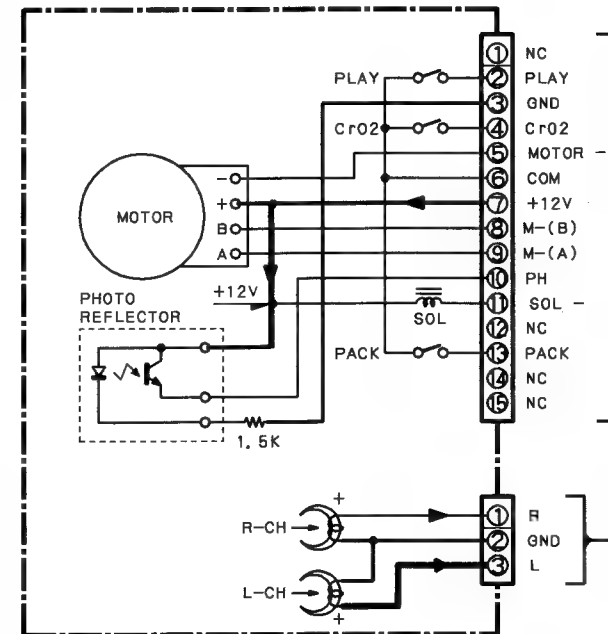
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

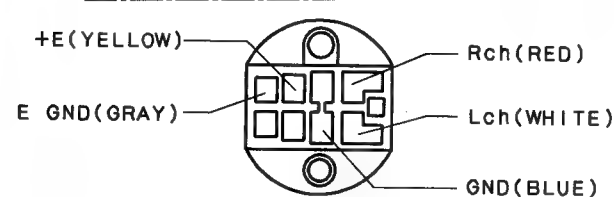
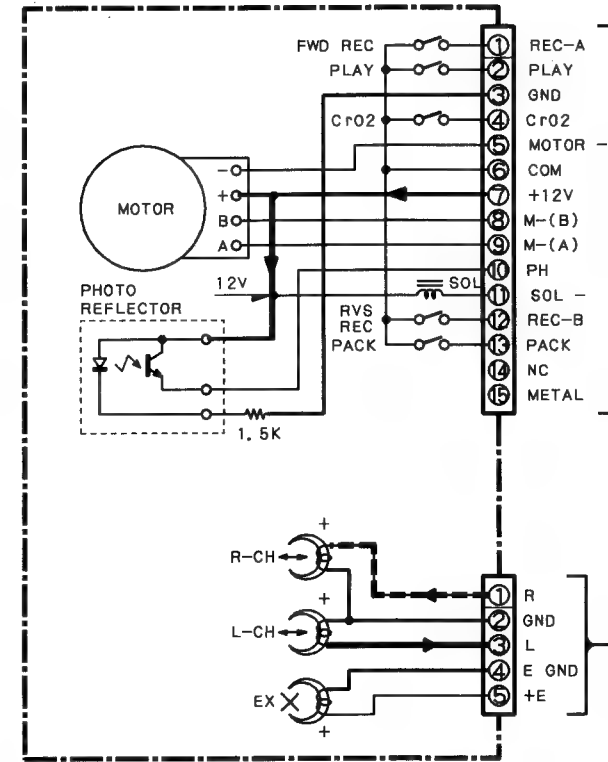
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **⚠** Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

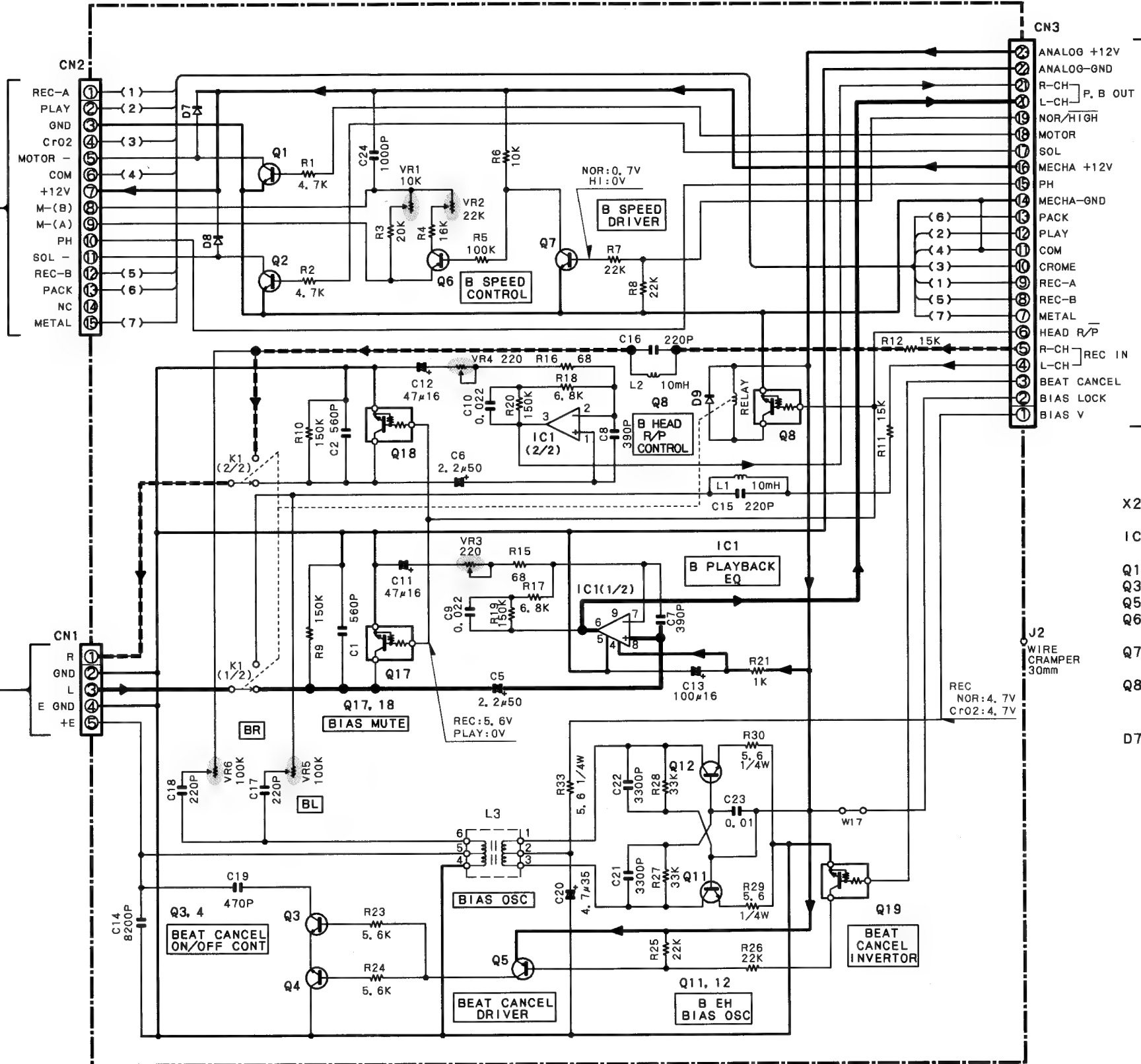
(A MECHA X92-1940-00)  
A MECHA D40-1343-05  
MECHA PCB X28-2620-00



(B MECHA X92-1950-00)  
B MECHA D40-1345-05  
MECHA PCB X28-2620-00



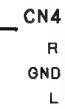
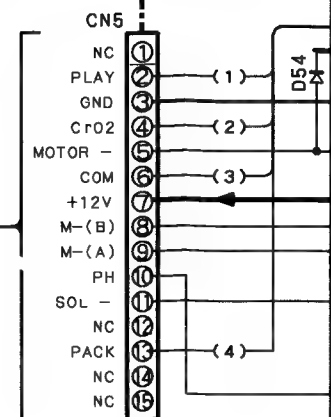
X28-2620-00 (B/2)



X28-2620-00

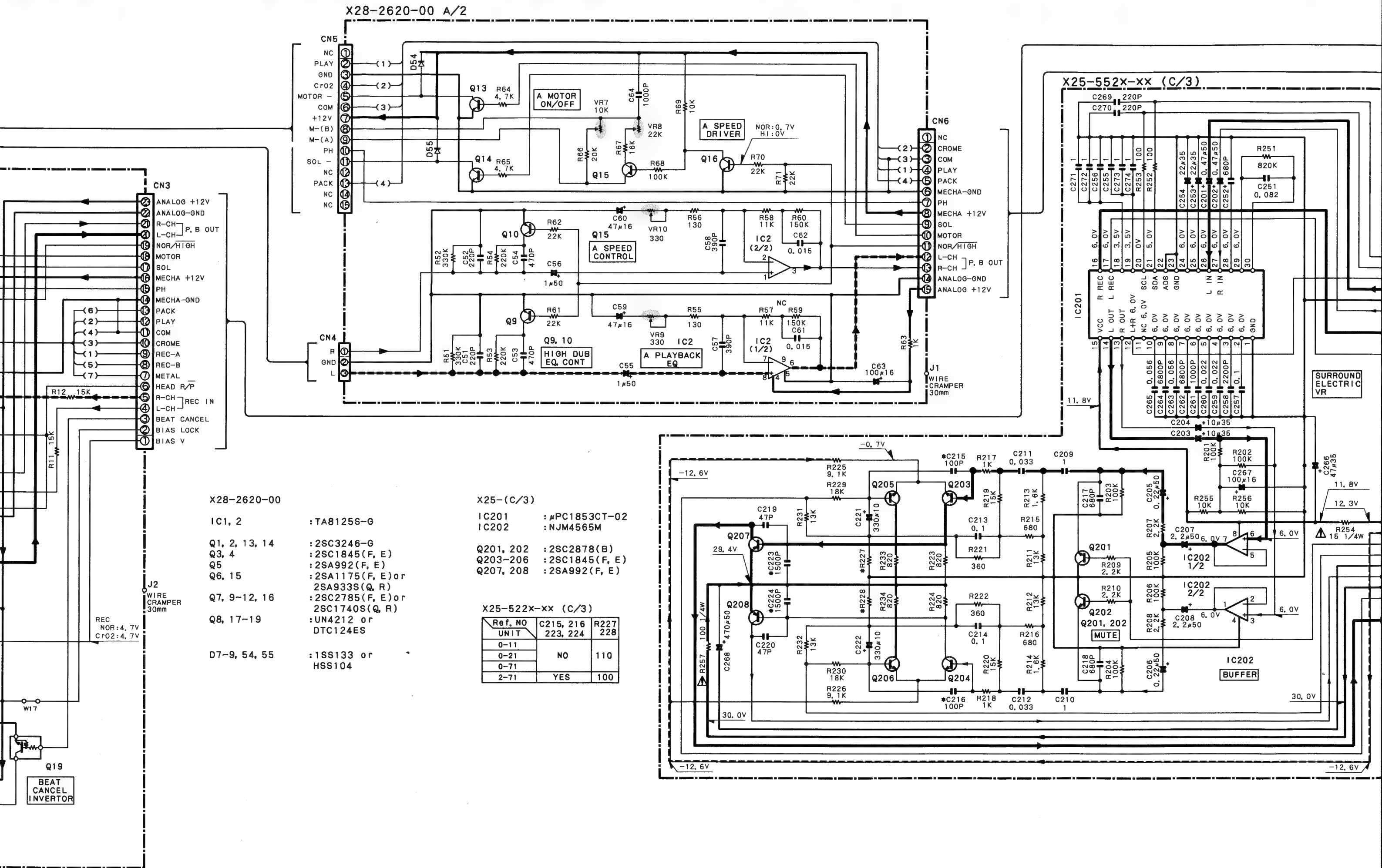
IC1, 2 : TA8125S-G  
Q1, 2, 13, 14 : 2SC3246-G  
Q3, 4 : 2SC1845(F, E)  
Q5 : 2SA992(F, E)  
Q6, 15 : 2SA1175(F, E) or 2SA933S(Q, R)  
Q7, 9-12, 16 : 2SC2785(F, E) or 2SC1740S(Q, R)  
Q8, 17-19 : UN4212 or DTC124ES  
D7-9, 54, 55 : 1SS133 or HSS104

X28-2620-00



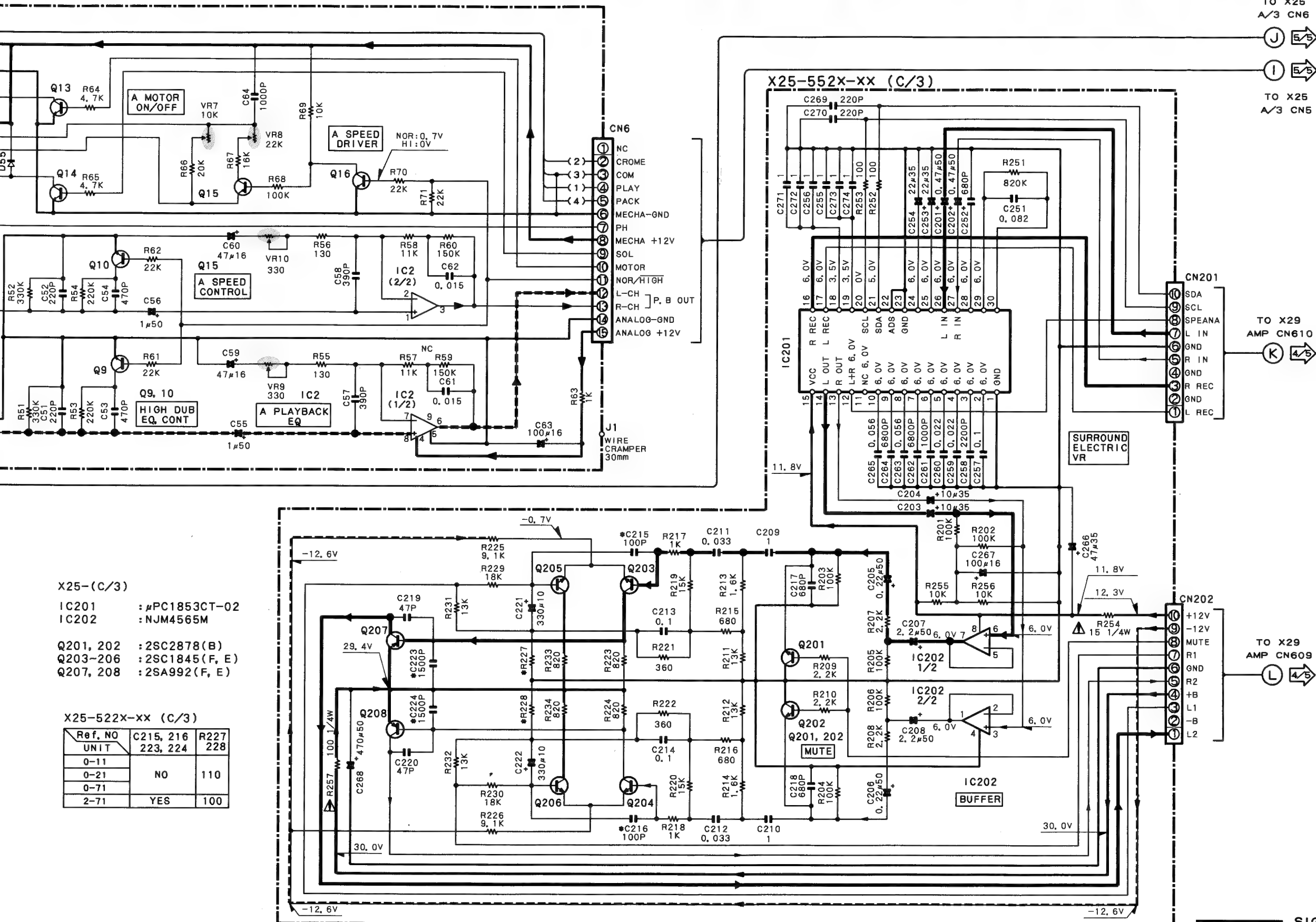
J2  
WIRE  
CRAMPER  
30mm

REC NOR: 4.7V  
Cr02: 4.7V





0 A/2



DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

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Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

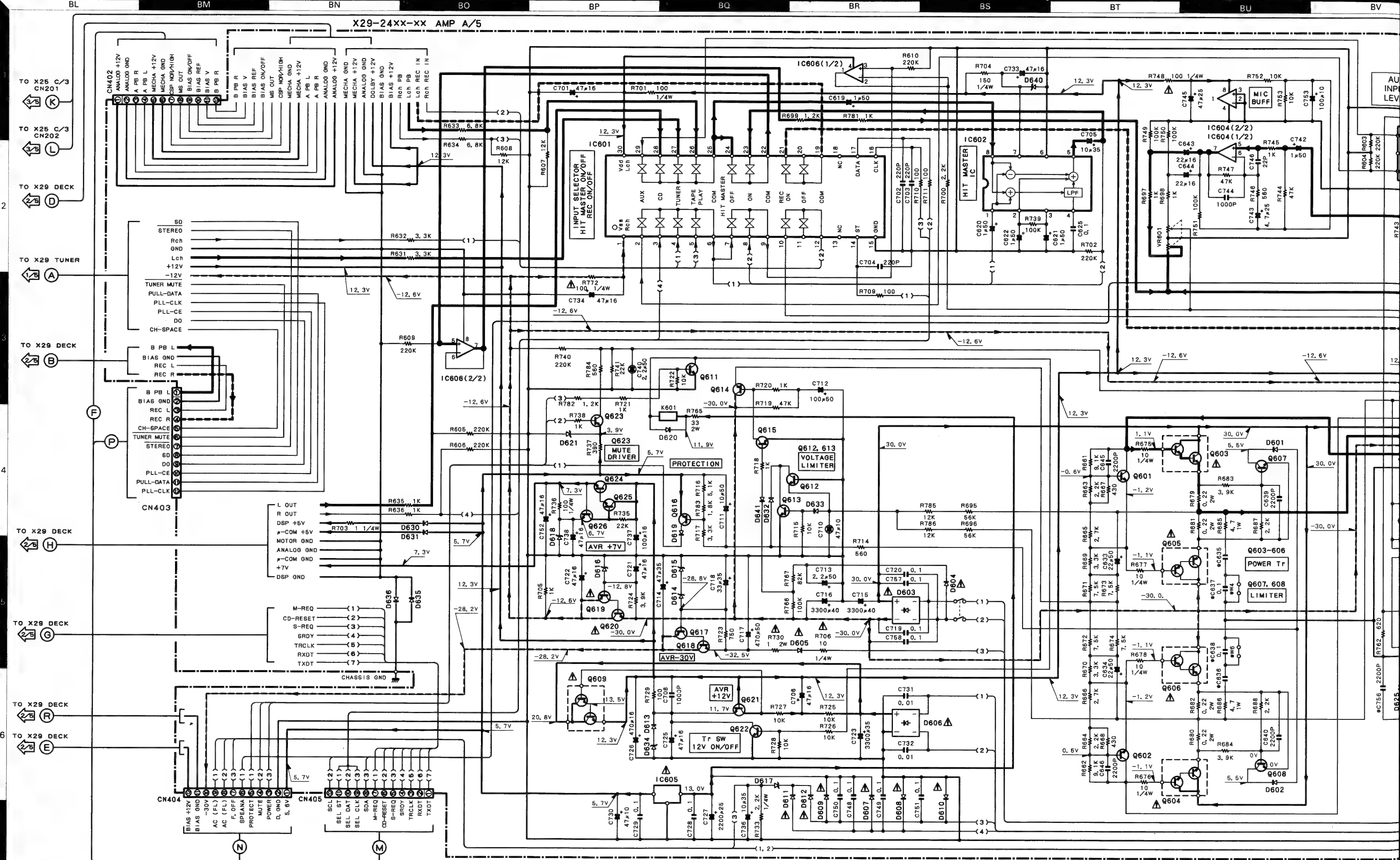
**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

— SIGNAL LINE  
 — GND LINE  
 — +B LINE  
 - - - -B LINE

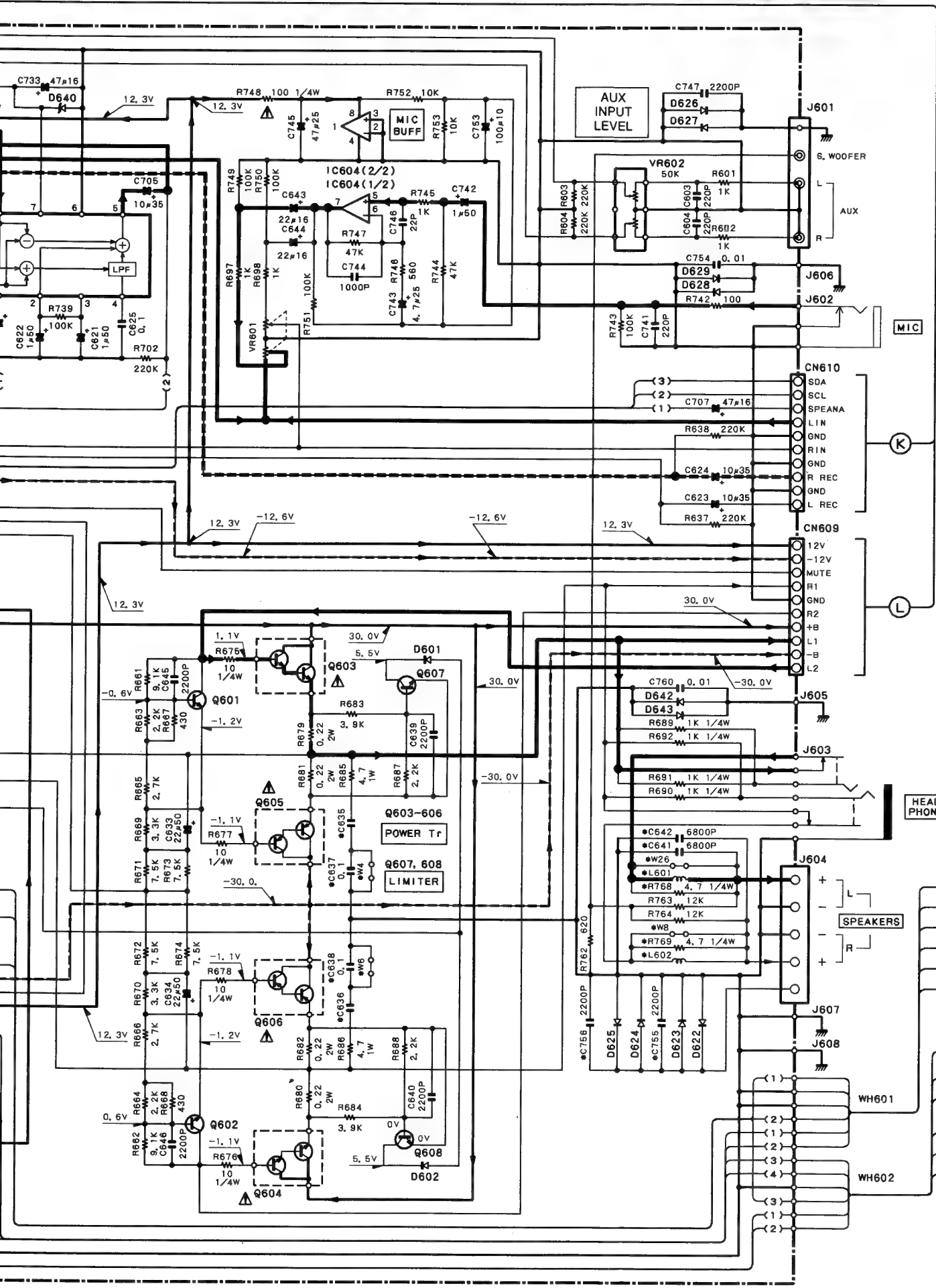
3/5

**RXD-C3/C3L**  
**KENWOOD**

Y39-2030-11







# X29-24XX-XX

IC601 : NJU7313AM  
 IC602 : CXA1642M  
 IC604 : NJM4565M  
 IC605 : TA780578

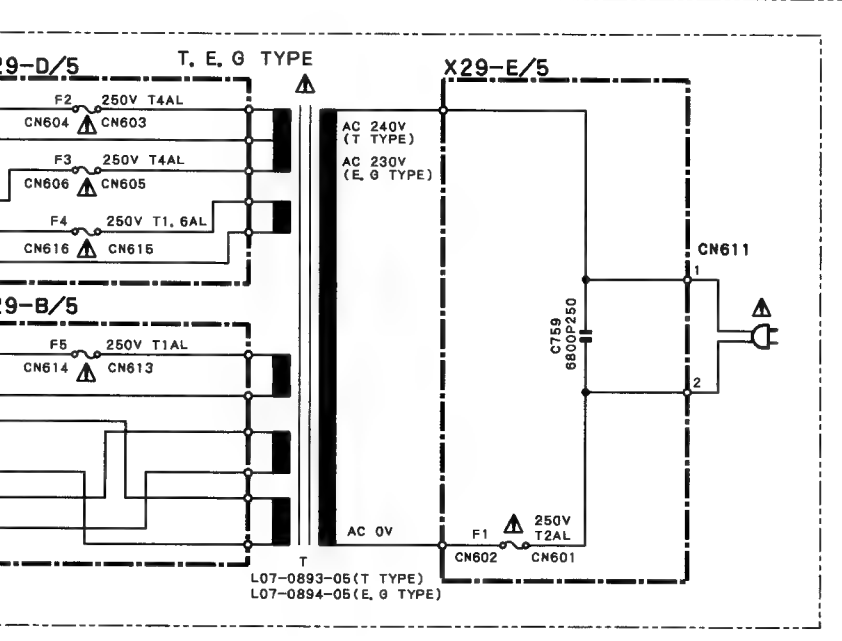
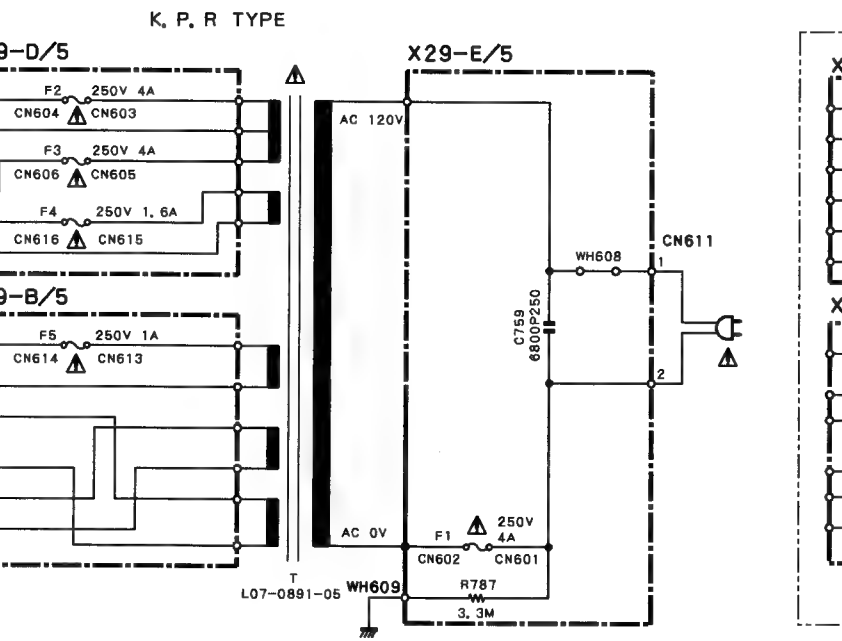
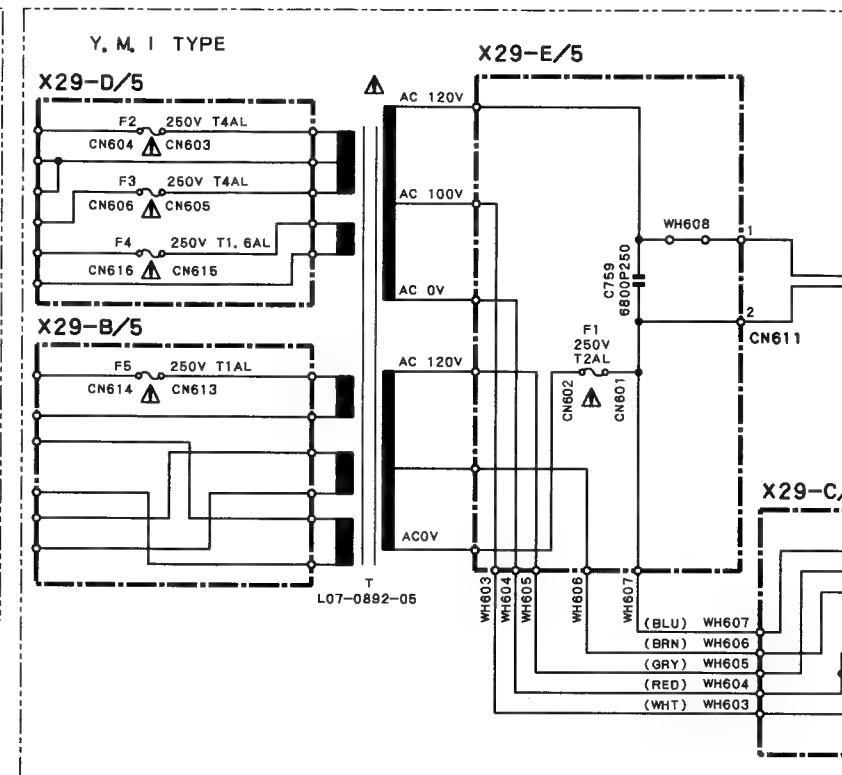
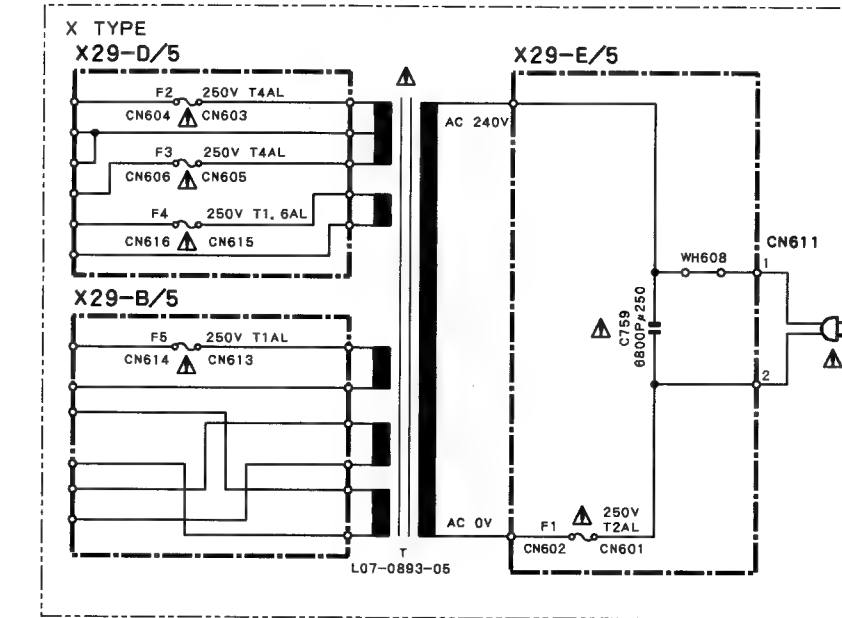
Q601, 602 : 2SC4137(V, W)  
 Q603, 604 : 2SD2493  
 Q605, 606 : 2SB1624  
 Q607, 608 : 2SC1845(F, E)  
 Q609 : 2SD1893  
 Q612, 613, 621 : 2SC2412K  
 Q611 : 2SC3246(H, J)  
 Q614 : 2SA954(L, K)  
 Q615-617 : 2SA1037K  
 Q618, 620, 624 : 2SD2012  
 Q619, 623 : 2SA933S(Q, R)

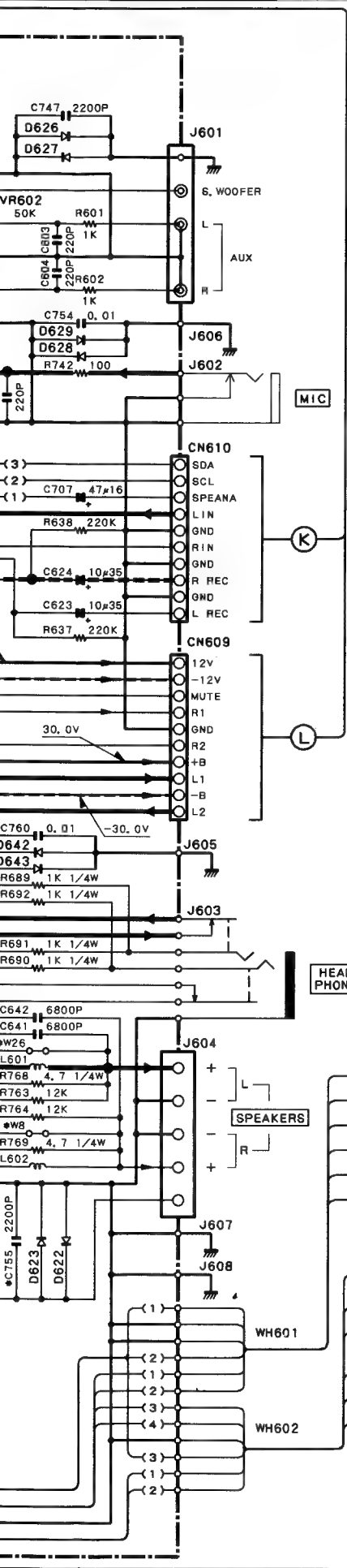
D601, 602, 611, 612 : 1S8133 or HSS104  
 D613, 618 : D3SBA20F03 or RBV-402LFA  
 D603 : 1S8131 or HSS104A  
 D604 : S5688B or 1SR139-100  
 D605, 607-610 : KBP02ML-6127  
 D613, 618 : HZS6, 8N(B2) or RD6, 8ES(B2)  
 D614 : HZS16N(B2) or RD16ES(B2)  
 D615, 616 : HZS13N(B2) or RD13ES(B2)  
 D617 : HZS2, 7N(B2) or RD2, 7ES(B2)  
 D621 : HZS3, 9N(B2) or RD3, 9ES(B2)  
 D622-629, 632 : MA110  
 D634 : HZS5, 1N(B2) or RD5, 1ES(B2)  
 D640 : HZS10N(B2)

D601, 602, 611, 612 : 1S8133 or HSS104  
 D613, 618 : D3SBA20F03 or RBV-402LFA  
 D603 : 1S8131 or HSS104A  
 D604 : S5688B or 1SR139-100  
 D605, 607-610 : KBP02ML-6127  
 D613, 618 : HZS6, 8N(B2) or RD6, 8ES(B2)  
 D614 : HZS16N(B2) or RD16ES(B2)  
 D615, 616 : HZS13N(B2) or RD13ES(B2)  
 D617 : HZS2, 7N(B2) or RD2, 7ES(B2)  
 D621 : HZS3, 9N(B2) or RD3, 9ES(B2)  
 D622-629, 632 : MA110  
 D634 : HZS5, 1N(B2) or RD5, 1ES(B2)  
 D640 : HZS10N(B2)

# X29-24XX-XX

UNIT	Ref. NO	C635, 636	C637
90-11	K, R, P		
90-21	Y, M, I	0.047μ	
90-71	X		
82-70	T, E, G	0.1μ	





# X29-24XX-XX

IC601 : NJU7313AM  
IC602 : CXA1642M  
IC604 : NJM4565M  
IC605 : TA780578

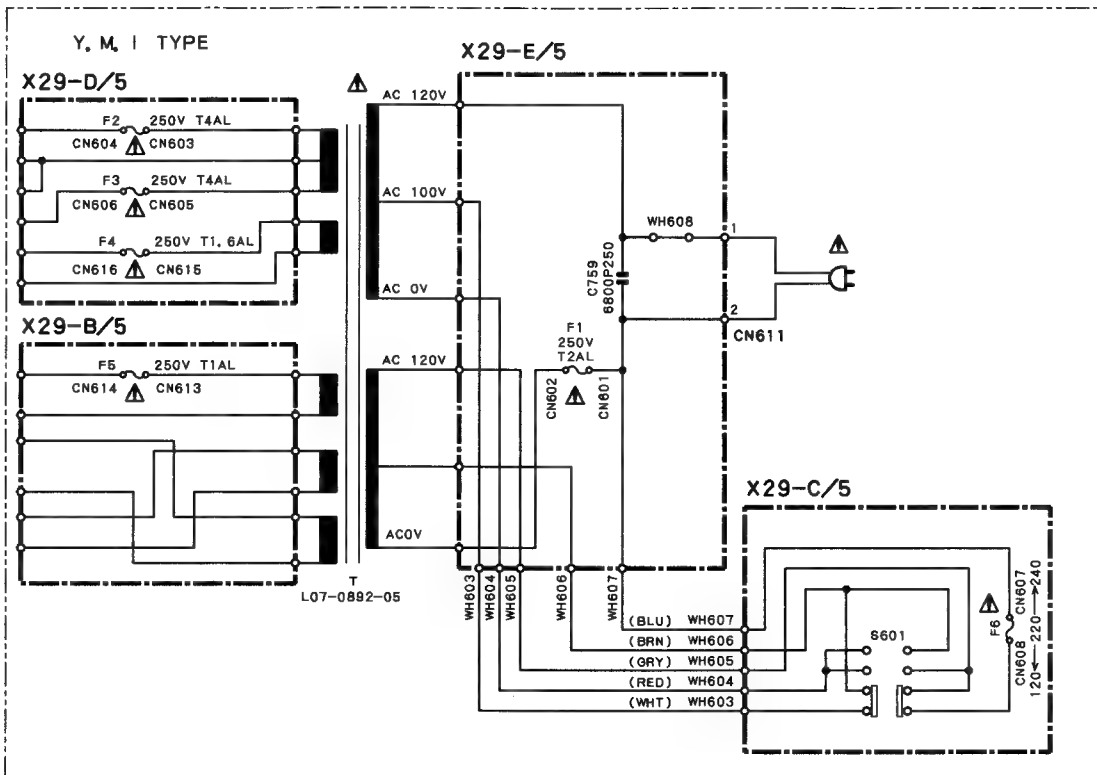
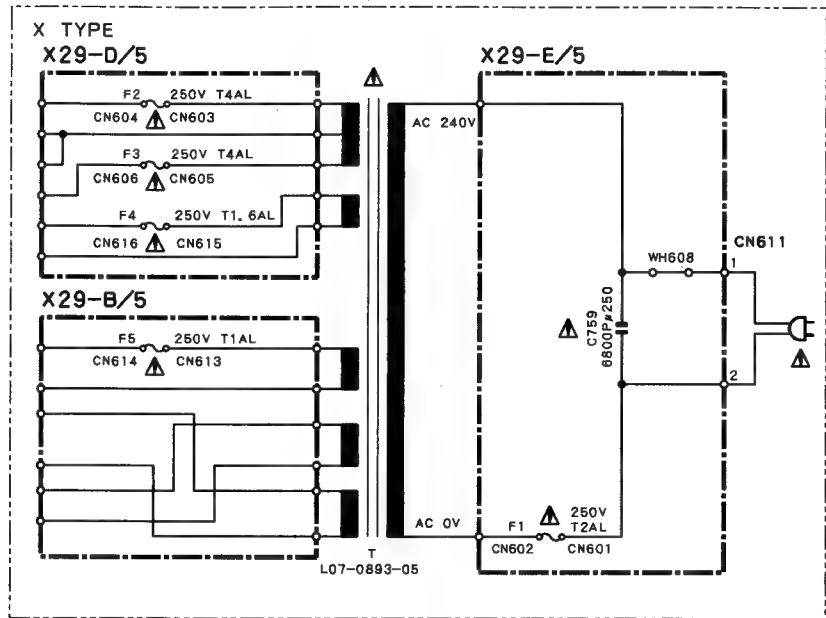
Q601, 602 : 2SC4137(V, W)  
Q603, 604 : 2SD2493  
Q605, 606 : 2SB1624  
Q607, 608 : 2SC1845(F, E)  
Q609 : 2SD1893  
Q612, 613, 621 : 2SC2412K  
Q611 : 2SC3246(H, J)  
Q614 : 2SA954(L, K)  
Q615-617 : 2SA1037K  
Q618, 620, 624 : 2SD2012  
Q619, 623 : 2SA933S(Q, R)

D601, 602, 611, 612 : 1SS133 or HSS104  
D613, 618 : 1SS131 or HSS104A  
D603 : D3SBA20F03 or RBV-402LFA  
D604 : 1SS131 or HSS104A  
D605, 607-610 : S56888 or 1SR139-100  
D630, 631 : KBP02ML-6127  
D606 : HZS6, 8N(B2) or RD6, 8ES(B2)  
D613, 618 : HZS16N(B2) or RD16ES(B2)  
D614 : HZS13N(B2) or RD13ES(B2)  
D615, 616 : HZS2, 7N(B2) or RD2, 7ES(B2)  
D617 : HZS3, 9N(B2) or RD3, 9ES(B2)  
D621 : MA110  
D622-629, 632 : HZS5, 1N(B2) or RD5, 1ES(B2)  
D633, 635, 636 : HZS10N(B2)  
D634 : HZS10N(B2)  
D640 : HZS10N(B2)

D601, 602, 611, 612 : 1SS133 or HSS104  
D613, 618 : 1SS131 or HSS104A  
D603 : D3SBA20F03 or RBV-402LFA  
D604 : 1SS131 or HSS104A  
D605, 607-610 : S56888 or 1SR139-100  
D630, 631 : KBP02ML-6127  
D606 : HZS6, 8N(B2) or RD6, 8ES(B2)  
D613, 618 : HZS16N(B2) or RD16ES(B2)  
D614 : HZS13N(B2) or RD13ES(B2)  
D615, 616 : HZS2, 7N(B2) or RD2, 7ES(B2)  
D617 : HZS3, 9N(B2) or RD3, 9ES(B2)  
D621 : MA110  
D622-629, 632 : HZS5, 1N(B2) or RD5, 1ES(B2)  
D633, 635, 636 : HZS10N(B2)  
D634 : HZS10N(B2)  
D640 : HZS10N(B2)

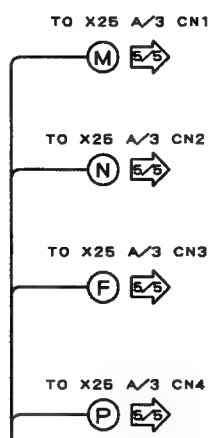
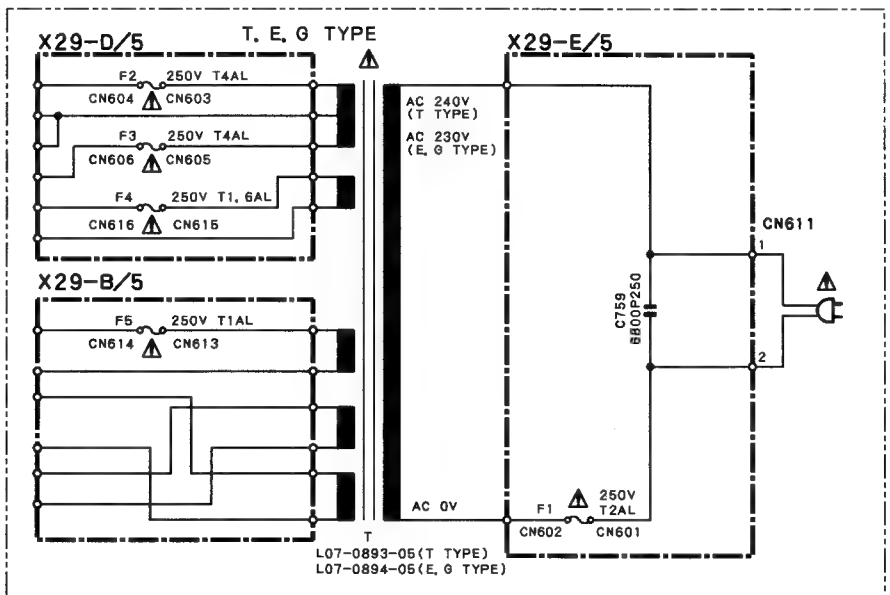
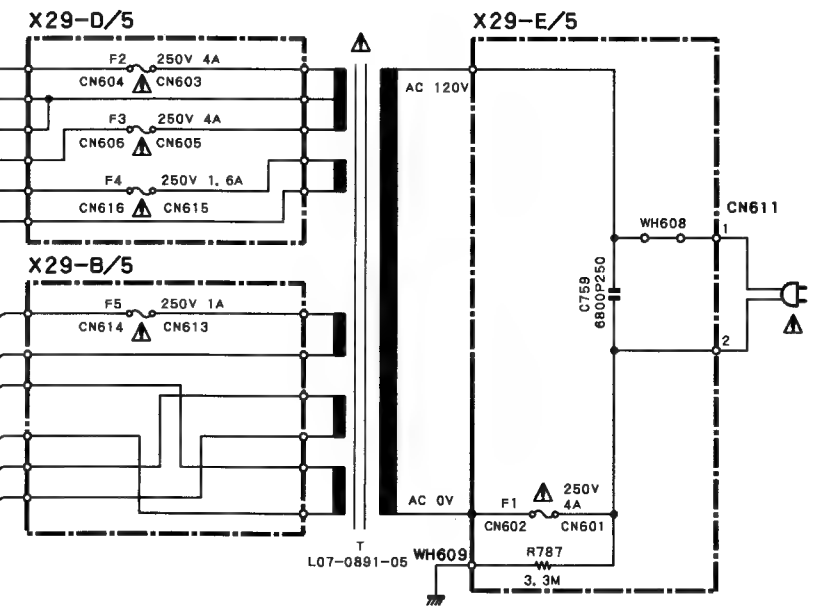
# X29-24XX-XX

UNIT	Ref. NO ABB	C635, 636	C637, 638 C641, 642 C755, 756	R768, 769	L601, 602
90-11	K, R, P	0, 047μ	NO	NO	NO
90-21	Y, M, I				
90-71	X				
82-70	T, E, G	0, 1μ	YES	YES	YES



# HEAD PHONE

# K, P, R TYPE



SIGNAL LINE  
GND LINE  
+B LINE  
-B LINE

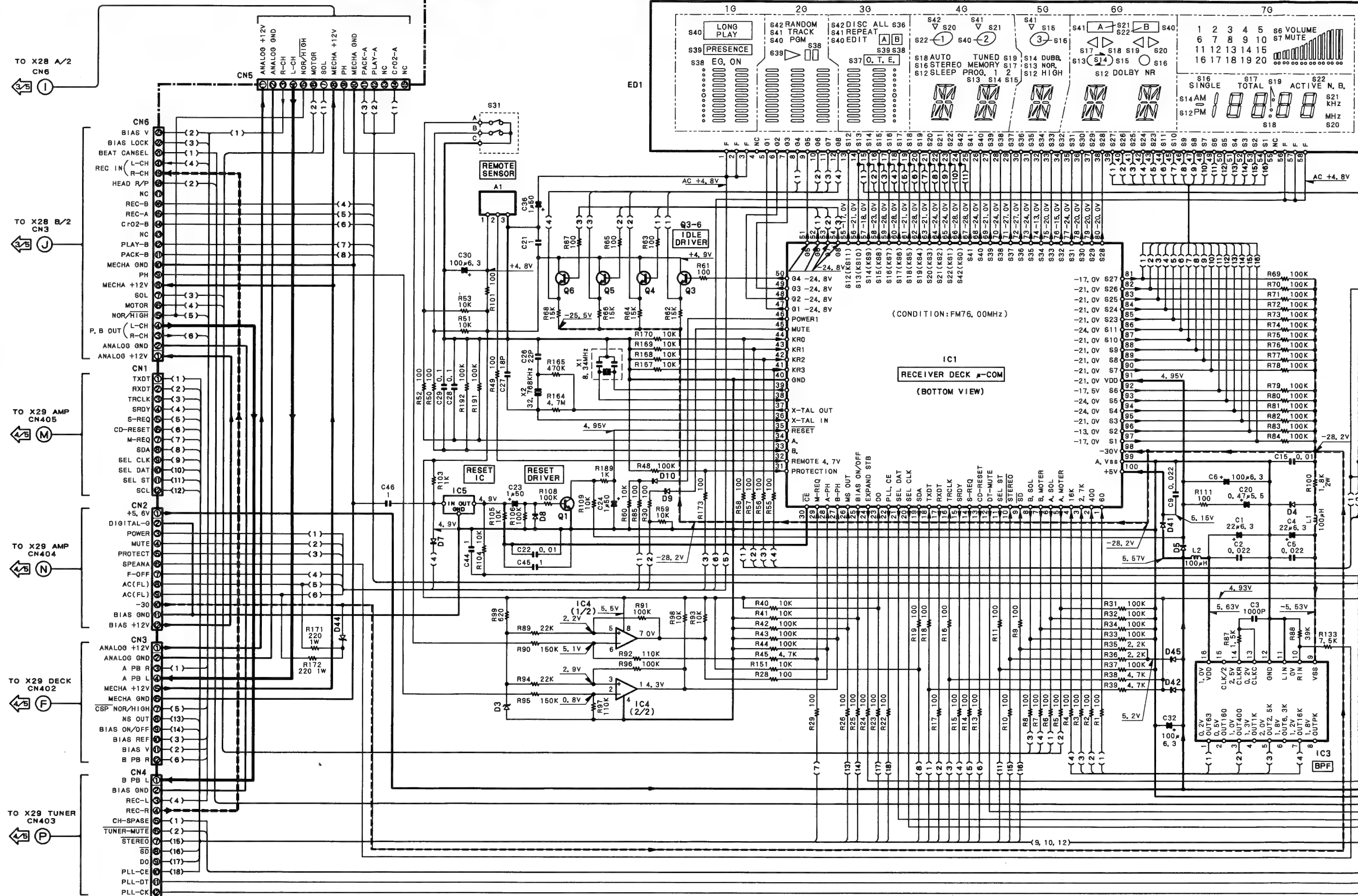
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

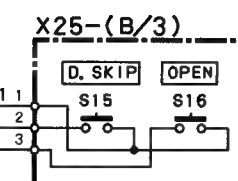
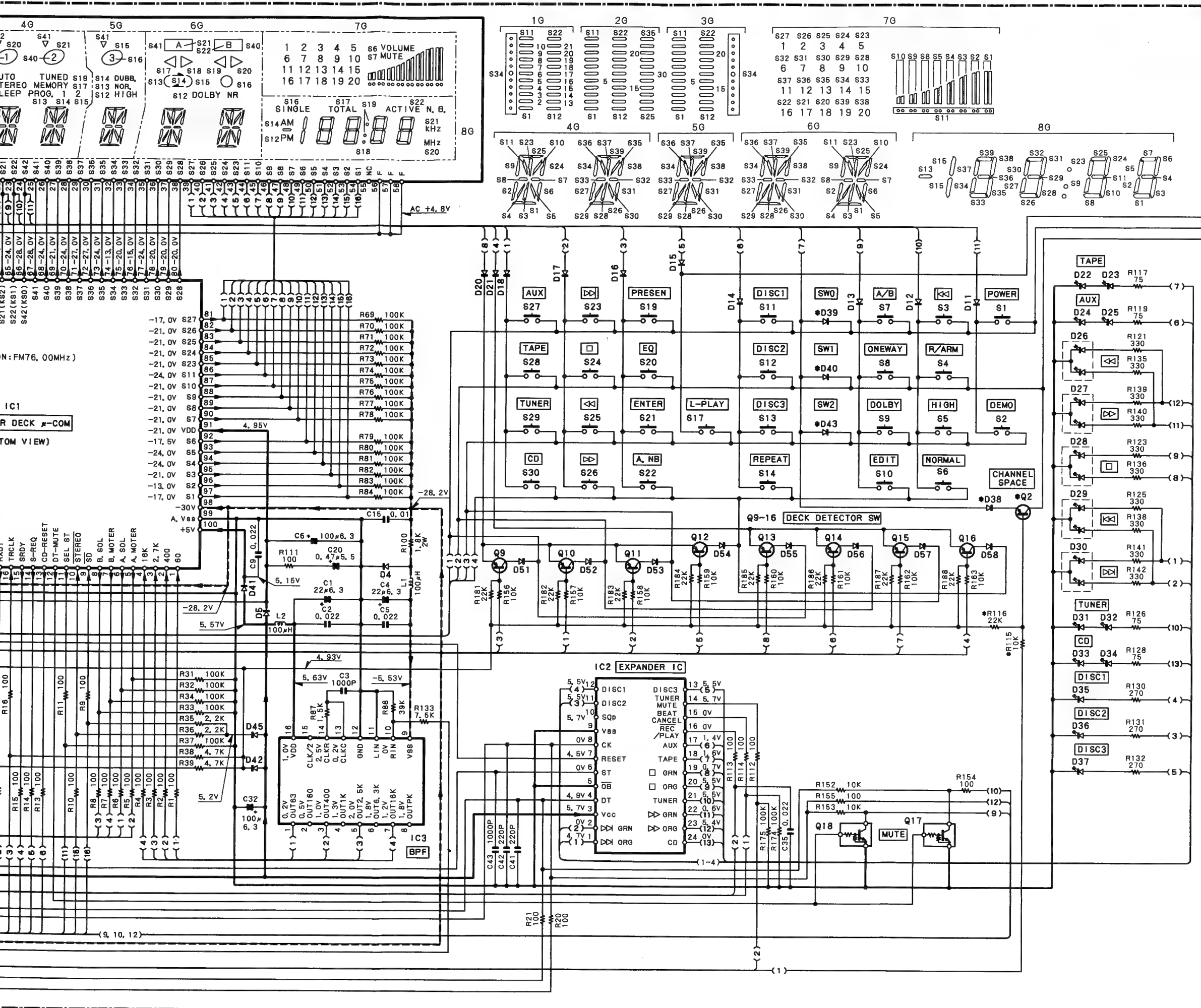
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **⚠** Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

# DISPLAY UNIT X25-552X-XX (A/3)





### X25-(A/3)

- IC1 : M38197MA-077FP
- IC2 : M66310FP
- IC3 : XR-1091FCP
- IC4 : BA10393F
- IC5 : S-80740AL
- Q1, 3-6 : 2SC2412K
- Q2, 9-16 : 2SA1037K
- Q17, 18 : DTC124EU
- D3 : HZS2, 7N(B2) or RD2, 7ES(B2)
- D4, 44 : HZS5, 6N(B2) or RD5, 6ES(B2)
- D5, 7, 9-21, 42 : 1SS131 or HSS104A
- D8, 38-41, 43 : MA111
- 45, 51-58 : 1SS131 or HSS104A
- D22-25, 31-37 : B30-2462-05
- D26-30 : B30-2463-05
- ED1 : FIP8QMWSR

### X25-522X-XX (A/3)

UNIT	Ref. NO	R115	Q2	D38	D39	D40	D43
0-11	K, R, P	NO	NO	NO	NO	NO	NO
0-21	Y, M, I	YES	YES	YES	YES	NO	NO
2-71	T, E, G	NO	NO	NO	NO	YES	YES
0-71	X	NO	NO	YES	YES	YES	NO

2SA1534A 2SC18  
2SA954 2SC28  
2SA992 2SC32

DTA124ES  
DTC124ES  
2SA933S  
2SC1740S

2SD2012

TA8125S-G  
TA8409S

NJU7313A

MN66271

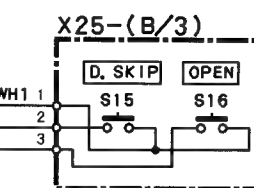
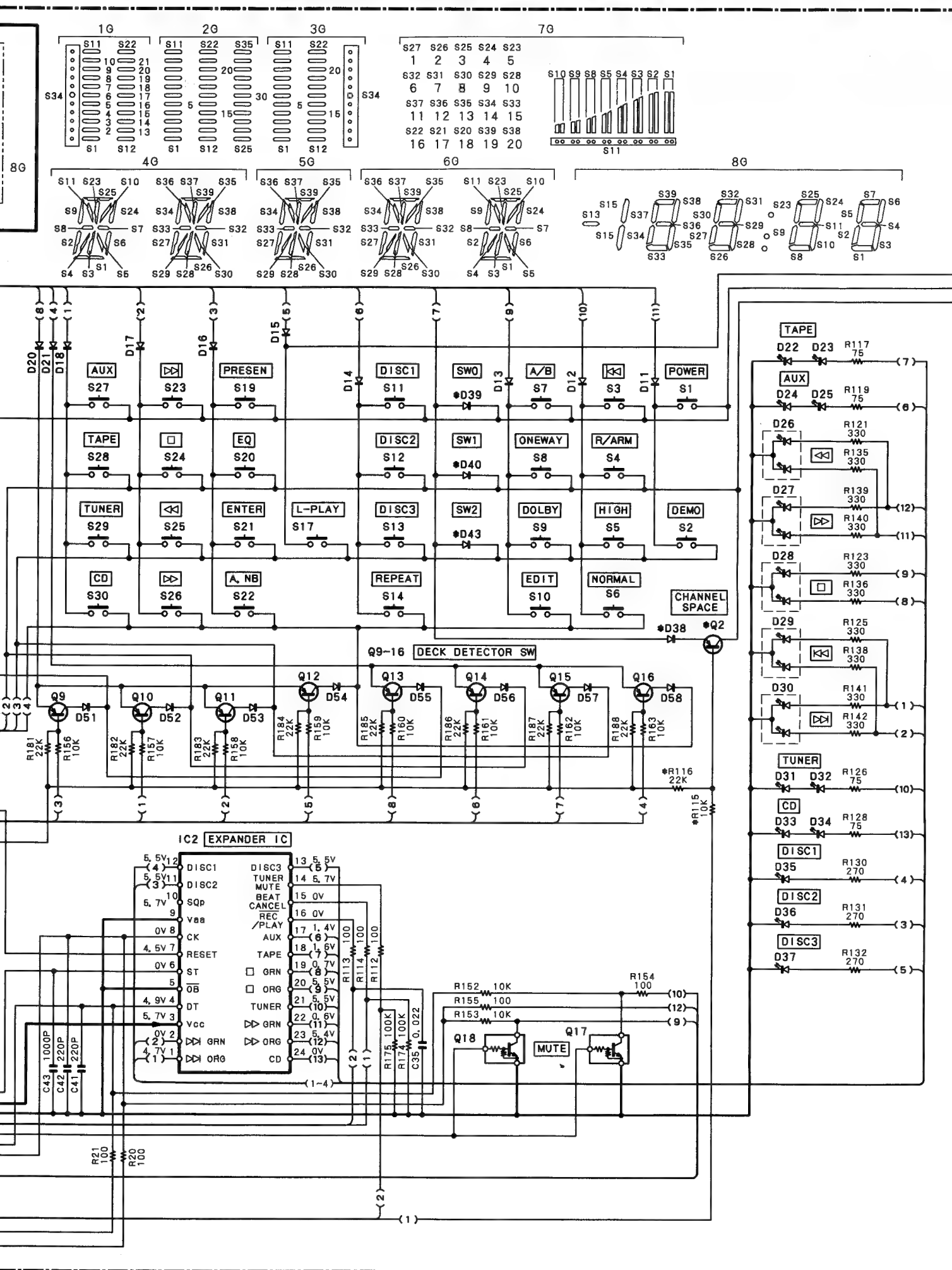
S-80740A

AN8806SB

SIGNAL LINE  
GND LINE  
+B LINE  
-B LINE

RXD-C3 (5/5) (K)



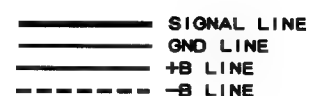


### X25-(A/3)

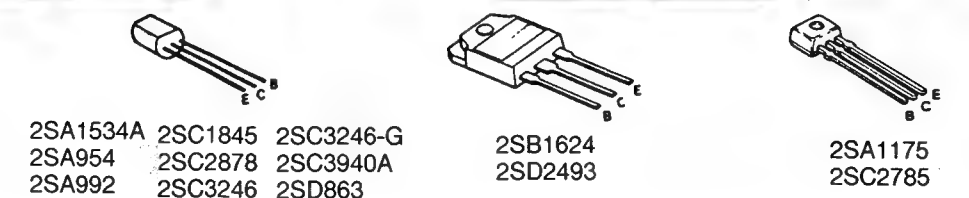
IC1	:M38197MA-077FP
IC2	:M66310FP
IC3	:XR-1091FCP
IC4	:BA10393F
IC5	:S-80740AL
Q1, 3-6	:2SC2412K
Q2, 9-16	:2SA1037K
Q17, 18	:DTC124EU
D3	:HZS2, 7N(B2) or RD2, 7ES(B2)
D4, 44	:HZS5, 6N(B2) or RD5, 6ES(B2)
D5, 7, 9-21, 42	:1SS131 or HSS104A
D8, 38-41, 43	:MA111
45, 51-58	
D22-25, 31-37	:B30-2462-05
D26-30	:B30-2463-05
ED1	:FIP8QMW5R

### X25-522X-XX (A/3)

UNIT	Ref. NO	ABB	R115	Q2	D38	D39	D40	D43
0-11	K, R, P		NO	NO	NO	NO	NO	NO
0-21	Y, M, I		YES	YES	YES	YES	NO	NO
2-71	T, E, G		NO	NO	NO	NO	YES	YES
0-71	X		NO	NO	NO	YES	YES	NO



RXD-C3 (5/5) (K)

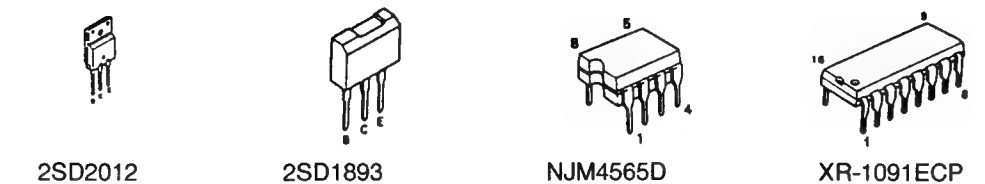


DTA124ES  
DTC124EU  
2SA933S  
2SC1740S

DTC124EU  
2SA1037K  
2SC2412K  
2SC2714  
2SD1757K

2SC4137

UN4212

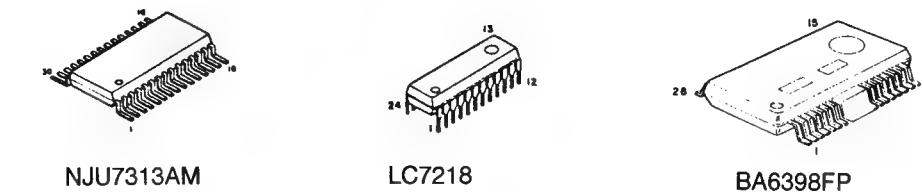


2SD2012  
TA8125S-G  
TA8409S

2SD1893  
CXA1642M  
NJM4565M

NJM4565D  
M66310FP

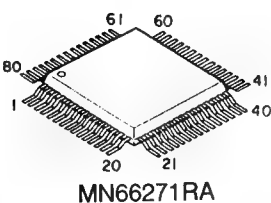
XR-1091ECP  
LA1851N



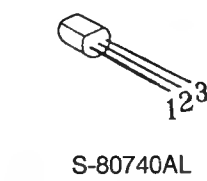
NJU7313AM

LC7218

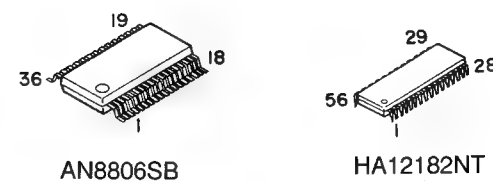
BA6398FP



MN66271RA



S-80740AL



AN8806SB

HA12182NT

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **⚠** Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

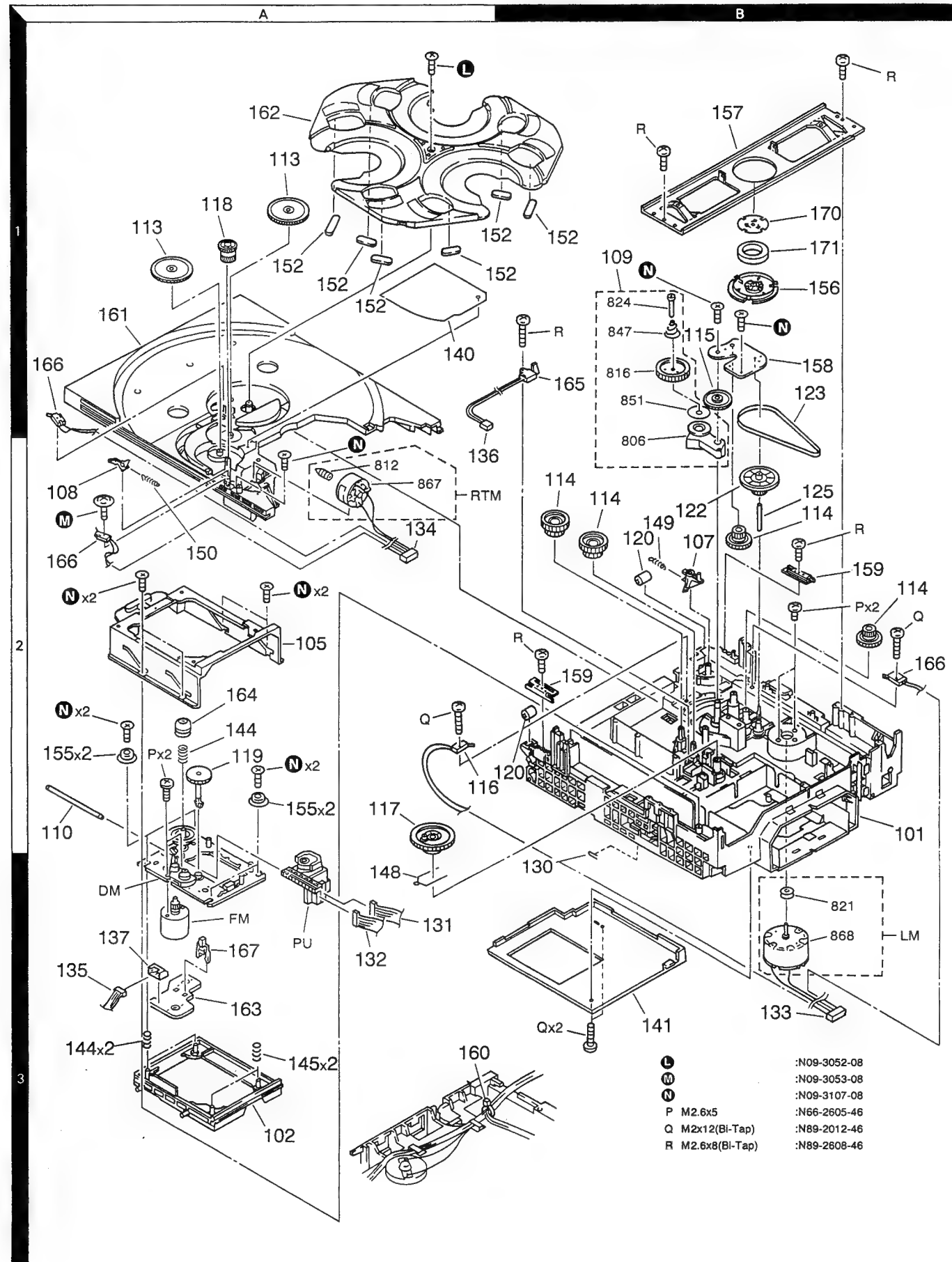
5/5

**RXD-C3/C3L**  
**KENWOOD**

Y39-2030-11

# RXD-C3/C3L

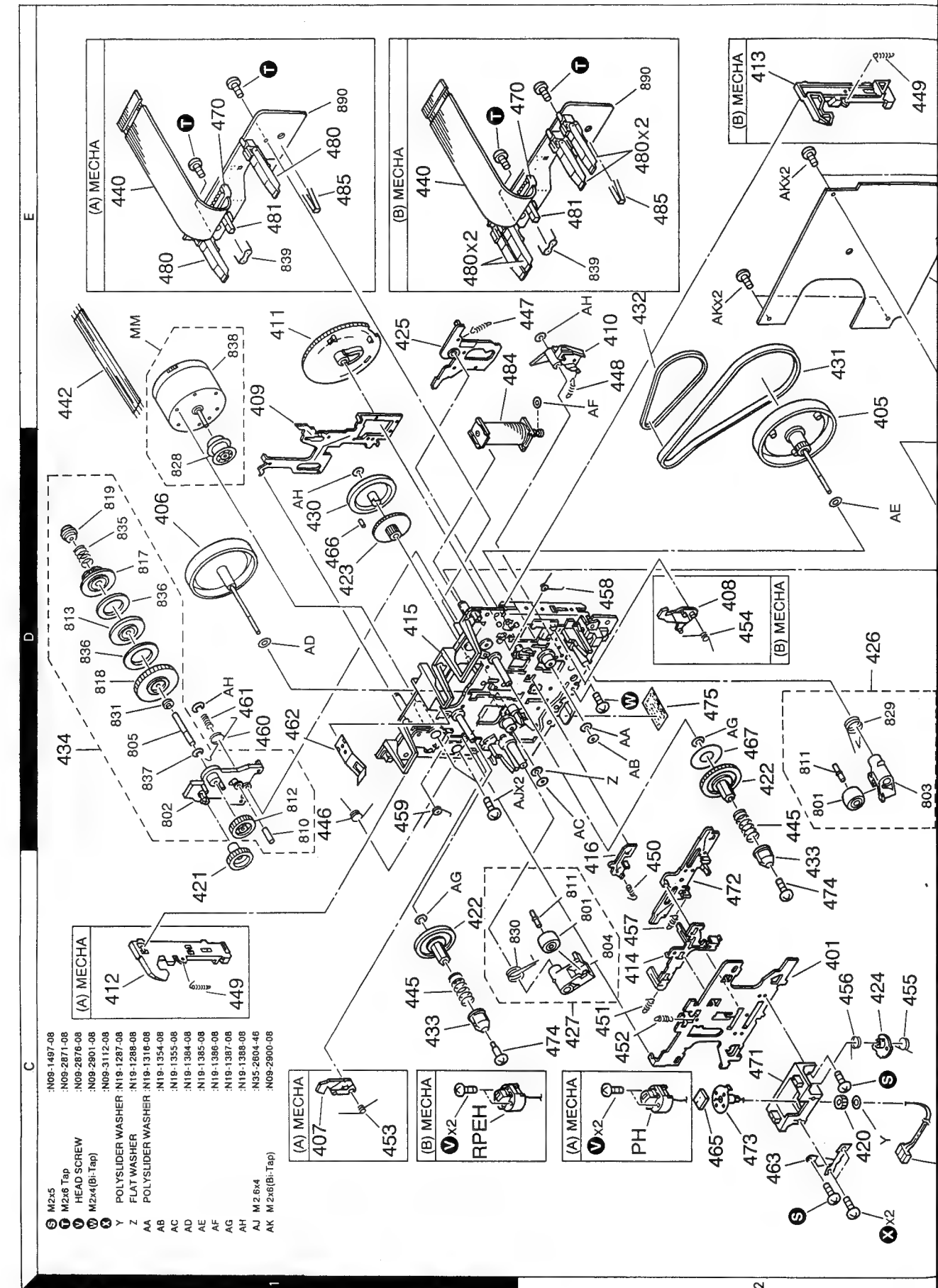
## EXPLODED VIEW(CD MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

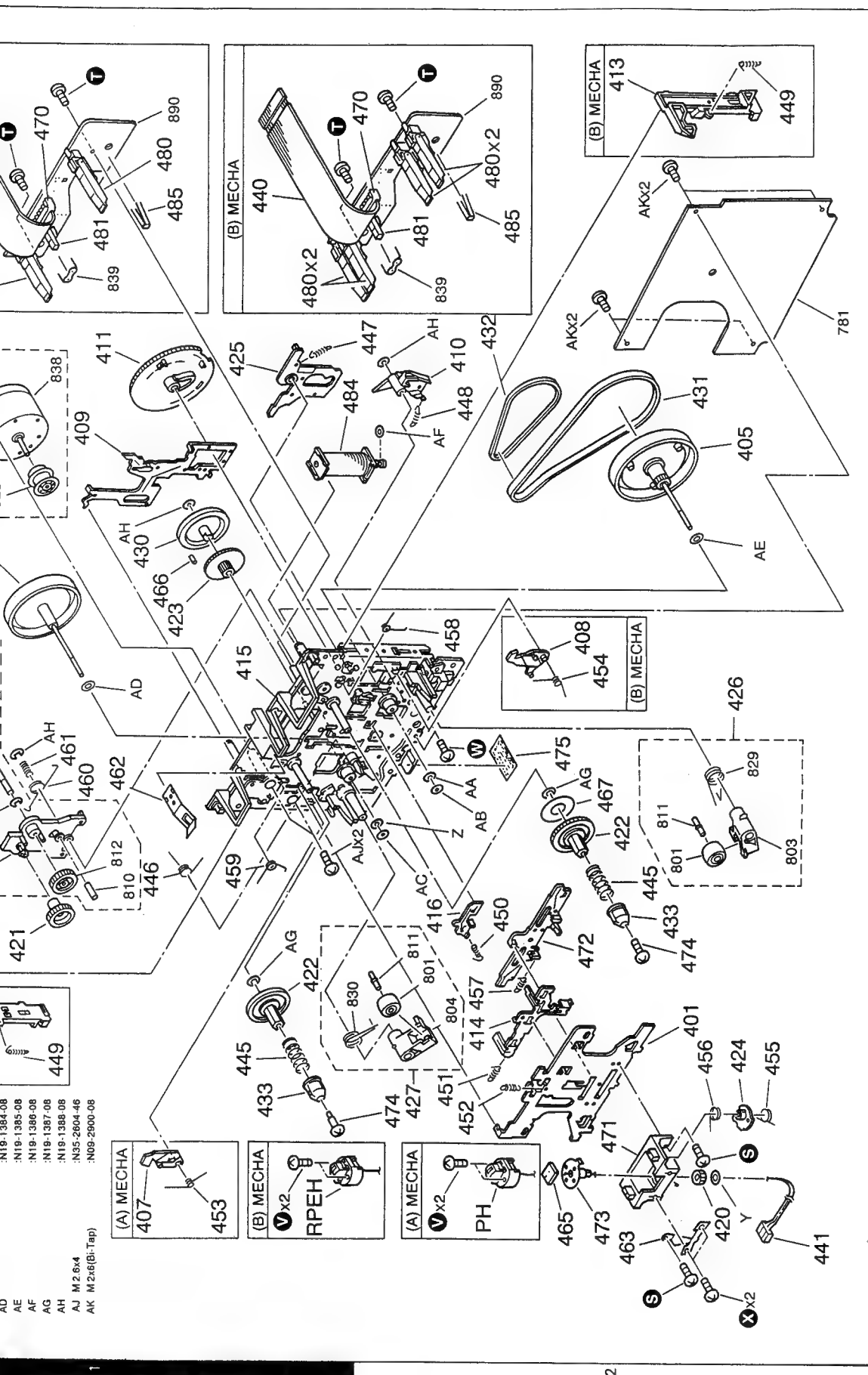
# RXD-C3/C3L

## EXPLODED VIEW(CASSETTE DECK MECHANISM)

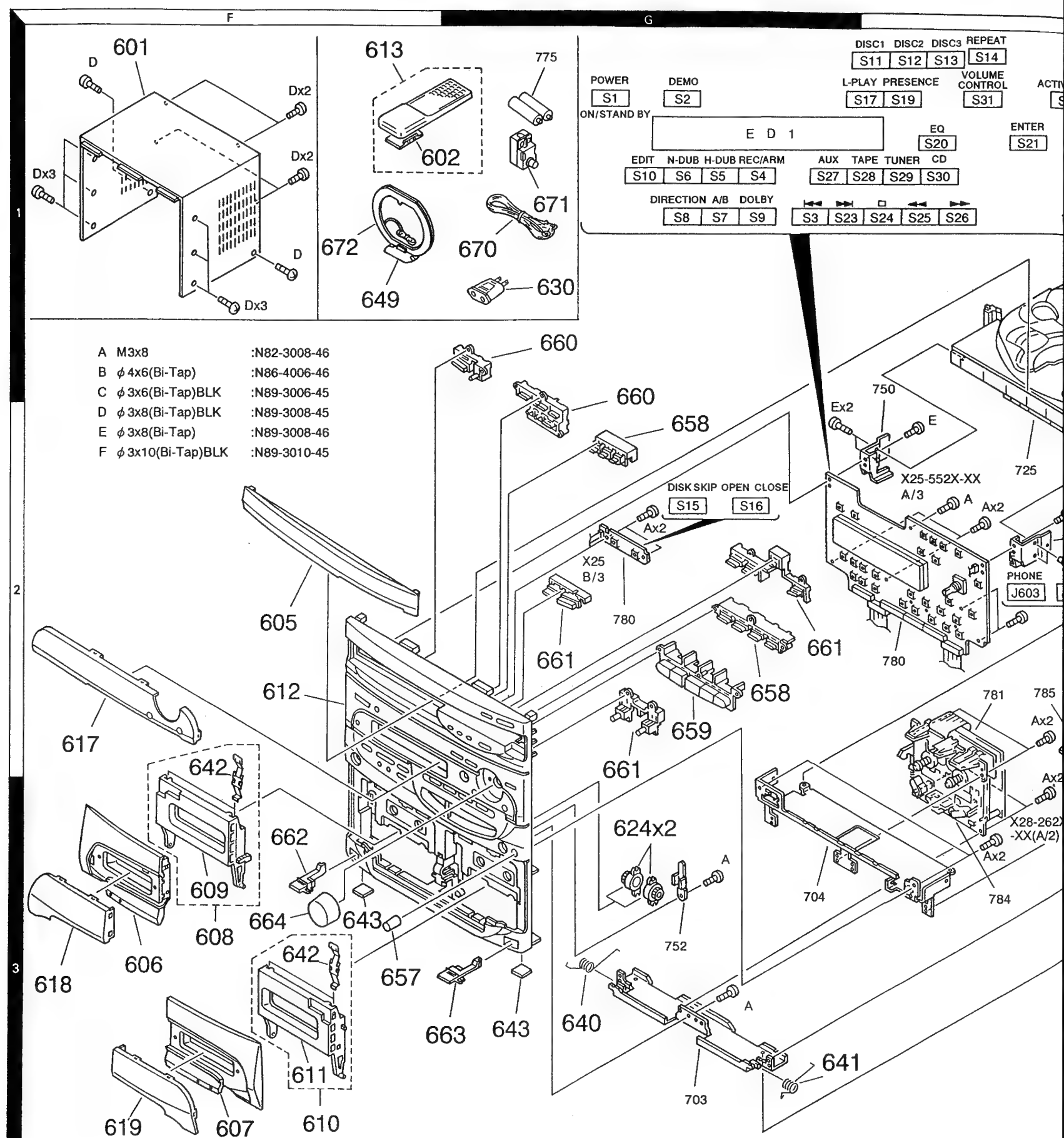


Parts with the exploded numbers larger than 700 are not supplied.



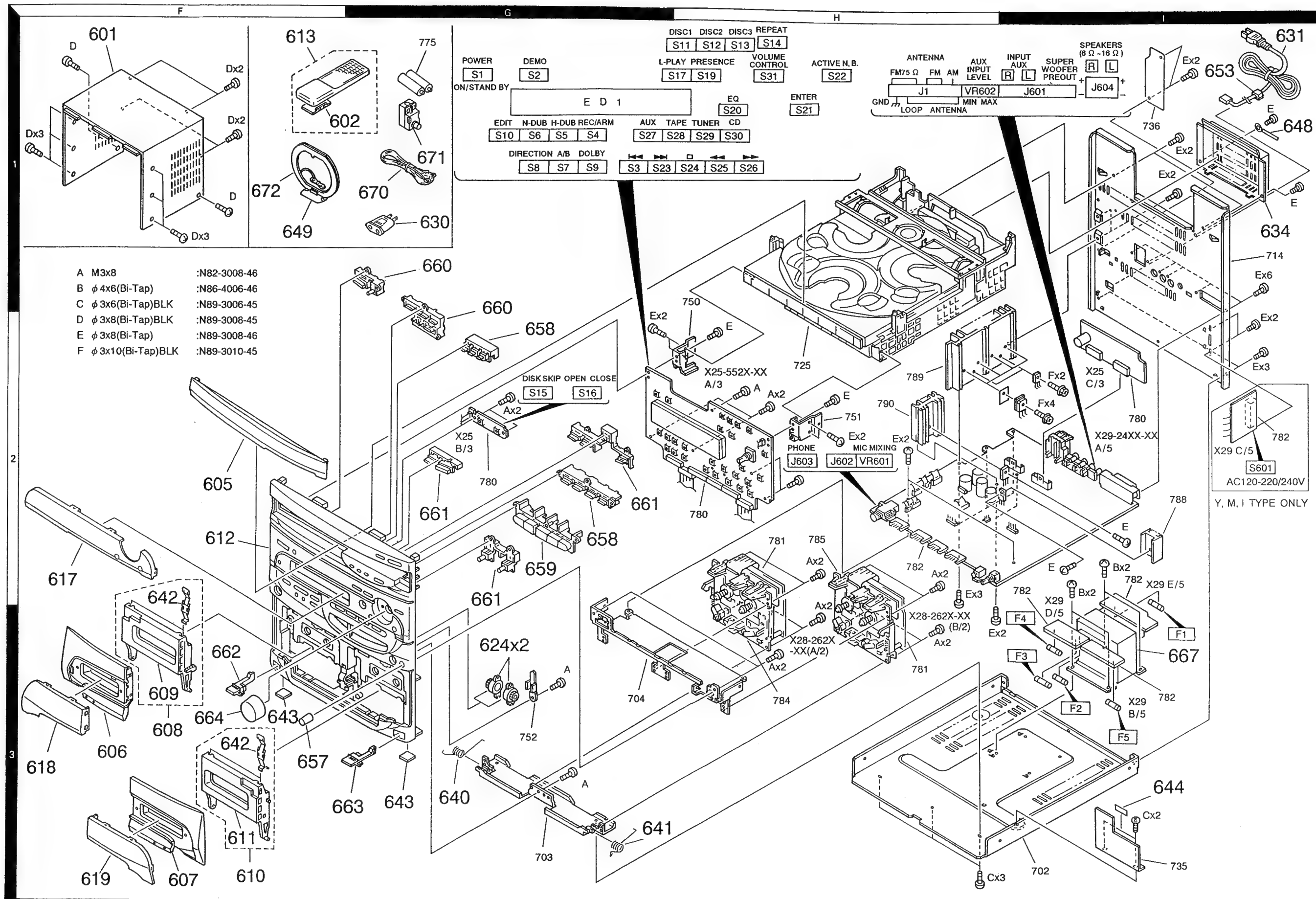


Parts with the exploded numbers larger than 700 are not supplied.



# RXD-C3/C3L

### EXPLODED VIEW(UNIT)



# RXD-C3/C3L

## PARTS LIST

DISTINATION		DISPLAY UNIT	RECORD/PLAYBACK UNIT	MAIN UNIT-TUNER (T,E,G TYPE)	MAIN UNIT-TUNER (K,P,R,Y,M,X TYPE)
SINGAPORE MADE	K	X25-5520-11	X28-2620-00	—	X29-2490-11
	R	X25-5520-11	X28-2620-00	—	X29-2490-11
	P	X25-5520-11	X28-2620-00	—	X29-2490-11
	Y	X25-5520-21	X28-2620-00	—	X29-2490-21
	M	X25-5520-21	X28-2620-00	—	X29-2490-21
	X	X25-5520-71	X28-2620-00	—	X29-2490-71
	T	X25-5520-71	X28-2620-00	X29-2482-70	—
	E	X25-5520-71	X28-2620-00	X29-2482-70	—
	G	X25-5520-71	X28-2620-00	X29-2482-70	—
MALAYSIA MADE	K	X25-5520-11	X28-2620-00	—	X29-2490-11
	R	X25-5520-11	X28-2620-00	—	X29-2490-11
	P	X25-5520-11	X28-2620-00	—	X29-2490-11
	Y	X25-5520-21	X28-2620-00	—	X29-2490-21
	M	X25-5520-21	X28-2620-00	—	X29-2490-21
	X	X25-5520-71	X28-2620-00	—	X29-2490-71
	T	X25-5520-71	X28-2620-00	X29-2482-70	—
	E	X25-5520-71	X28-2620-00	X29-2482-70	—
	G	X25-5520-71	X28-2620-00	X29-2482-70	—
	I	X25-5520-21	X28-2620-00	—	X29-2490-21

### No.1

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向備考
RXD-C3/C3L				
601	1F	A01-3115-21	METALLIC CABINET	A
602	1F	A09-0170-08	BATTERY COVER	B
605	2F	A29-0367-12	PANEL (CD TRAY)	A
606	3F	A53-1466-02	CASSETTE LID	A
607	3F	A53-1467-02	CASSETTE LID	A
608	3F	A53-1468-03	CASSETTE HOLDER ASSY	A
609	3F	A53-1469-02	CASSETTE HOLDER	A
610	3F	A53-1470-03	CASSETTE HOLDER ASSY	A
611	3F	A53-1471-02	CASSETTE HOLDER	A
612	2F	A60-0553-21	PANEL	B
612	2F	A60-0553-21	PANEL	B
613	1F	A70-0978-05	REMOTE CONTROLLER ASSY	B
617	2F	B10-2012-13	FRONT GLASS	A
618	3F	B10-2013-03	FRONT GLASS	B
619	3F	B10-2014-03	FRONT GLASS	B
-	-	B46-0094-03	WARRANTY CARD	Y
-	-	B46-0095-03	WARRANTY CARD	Y
-	-	B46-0096-43	WARRANTY CARD	X
-	-	B46-0121-33	WARRANTY CARD	P
-	-	B46-0307-13	WARRANTY CARD	K
-	-	B46-0310-03	WARRANTY CARD	TEG
-	-	B58-0964-03	CAUTION CARD	KRY
-	-	B58-0965-03	CAUTION CARD	PXT
-	-	B58-0966-03	CAUTION CARD	MIE
-	-	B58-0968-04	CAUTION CARD	Y
-	-	B58-0970-03	CAUTION CARD (R TYPE)	RG
-	-	B60-1543-00	INSTRUCTION MANUAL(ENGLISH)	KRPYMI
-	-	B60-1543-00	INSTRUCTION MANUAL(ENGLISH)	XTE
-	-	B60-1544-00	INSTRUCTION MANUAL(FRENCH)	PE
-	-	B60-1545-00	INSTRUCTION MANUAL(GERMAN)	EG
-	-	B60-1546-00	INSTRUCTION MANUAL(DUTCH)	E
-	-	B60-1547-00	INSTRUCTION MANUAL(ITALIAN)	E
-	-	B60-1548-00	INSTRUCTION MANUAL(SPANISH)	RME
-	-	B60-1549-00	INSTRUCTION MANUAL(CHINESE)	PI
624	3G	D39-0316-05	DAMPER	MI
630	1G	E03-0115-05	AC PLUG ADAPTER	MI
631	1I	E30-2592-15	AC POWER CORD	MIEG
631	1I	E30-2605-05	AC POWER CORD	Y
631	1I	E30-2650-05	AC POWER CORD	KRP
631	1I	E30-2717-05	AC POWER CORD	X
631	1I	E30-2721-05	AC POWER CORD	T
632	2G	E35-0886-05	WIRING HARNESS	A
633	2H	E35-0887-05	WIRING HARNESS	B
634	1I	F07-0737-03	COVER	
640	3G	G01-3652-24	TORSION COIL SPRING	
641	3G	G01-3653-24	TORSION COIL SPRING	
642	3F	G02-1040-04	FLAT SPRING	
643	3F	G11-2200-04	CUSHION	
644	3I	G10-0173-04	NON-WOVEN FABRIC	

L: Scandinavia  
 Y: PK (Far East, Hawaii)  
 Y: APES (Europe)  
 K: USA  
 T: England  
 X: Australia  
 P: Canada  
 E: Europe  
 M: Other Areas  
 R: Mexico  
 G: Germany  
 S: SINGAPORE MADE  
 W: MALAYSIA MADE  
 A: A DECK  
 B: B DECK  
 △ indicates safety critical components

\* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

## No.2

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
-		*	H10-5724-12	POLYSTYRENE FOAMED FIXTURE		S
-		*	H10-5725-22	POLYSTYRENE FOAMED FIXTURE		S
-		*	H10-5818-12	POLYSTYRENE FOAMED FIXTURE		S
-		*	H10-5819-22	POLYSTYRENE FOAMED FIXTURE		S
-		*	H13-0086-04	CARTON BOARD		W
-			H21-0305-04	PROTECTION SHEET		
-			H25-0632-24	PROTECTION BAG	KRPYMI	
-			H25-0632-24	PROTECTION BAG	XEG	
-			H25-0644-04	PROTECTION BAG	T	
-			H25-1509-04	PROTECTION BAG	MI	
-		*	H25-1536-04	PROTECTION BAG	KRPYXT	
-		*	H25-1536-04	PROTECTION BAG	EG	
-		*	H50-0993-04	ITEM CARTON CASE	KRPYX	S
-		*	H50-0994-04	ITEM CARTON CASE	M	S
-		*	H50-0995-14	ITEM CARTON CASE	TEG	S
-		*	H50-1139-04	ITEM CARTON CASE	KRPYX	W
-		*	H50-1140-04	ITEM CARTON CASE	M	W
-		*	H50-1141-14	ITEM CARTON CASE	I	W
-		*	H50-1142-14	ITEM CARTON CASE	TEG	W
648	1I		J19-2808-05	HOLDER	MI	
649	1F		J19-3645-05	ANTENNA STAND		
653	1I		J42-0083-05	POWER CORD BUSHING		
657	3F		K29-5810-04	KNOB (MIC)		
658	2G	*	K29-5870-03	KNOB (INPUT&DIS)		
659	2G	*	K29-5871-13	KNOB		
660	1G	*	K29-5872-03	KNOB		
661	2G	*	K29-5873-22	KNOB		
662	3F	*	K29-5874-24	KNOB (EJECT)(L)		
663	3F	*	K29-5875-24	KNOB (EJECT)(R)		
664	3F	*	K29-5903-24	KNOB (VOL)		
667	3I	*	L07-0891-15	POWER TRANSFORMER	KRP	
667	3I	*	L07-0892-15	POWER TRANSFORMER	YMI	
667	3I	*	L07-0893-15	POWER TRANSFORMER	XT	
667	3I	*	L07-0894-15	POWER TRANSFORMER	EG	
670	1G		T90-0175-05	T TYPE ANTENNA		
671	1G		T90-0185-05	ANTENNA ADAPTOR		
672	1F		T90-0195-05	LOOP ANTENNA	TEG	
<b>DISPLAY UNIT(X25-552X-XX)</b>						
D22 -25		*	B30-2462-05	LED(GRN)		
D26 -30		*	B30-2463-05	LED(TWIN VRPG 561)		
D31 -37		*	B30-2462-05	LED(GRN)		
C1			C90-3210-05	ELECTRO 22UF 6.3WV		
C2			CK73FB1H223K	CHIP C 0.022UF K		
C3			CC73FSL1H102J	CHIP C 1000PF J		
C4			C90-3210-05	ELECTRO 22UF 6.3WV		
C5			CK73FB1H223K	CHIP C 0.022UF K		
C6			C90-3214-05	ELECTRO 100UF 6.3WV		
C9			CK73FB1H223K	CHIP C 0.022UF K		
C15			CK73FB1H103K	CHIP C 0.010UF K		
C20			C90-1827-05	BACKUP 0.047F 5.5WV		
C21			CK73FF1C105Z	CHIP C 1.0UF Z		
C22			CK73FB1H103K	CHIP C 0.010UF K		
C23 ,24			C90-3253-05	ELECTRO 1UF 50WV		

L:Scandinavia

K:USA

P:Canada

R:Mexico

S : SINGAPORE MADE

A : A DECK

Y:PX(Far East, Hawaii)

T:England

E:Europe

G:Germany

W : MALAYSIA MADE

B : B DECK

Y:AAFES(Europe)

X:Australia

M, I:Other Areas

A indicates safety critical components.

\* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

## No.3

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C26			CC73FCH1H220J	CHIP C 22PF J		
C27			CC73FCH1H180J	CHIP C 18PF J		
C28 ,29			CK73FB1E104K	CHIP C 0.10UF K		
C30			C90-3214-05	ELECTRO 100UF 6.3WV		
C32			C90-3214-05	ELECTRO 100UF 6.3WV		
C35			CK73FB1H223K	CHIP C 0.022UF K		
C36			C90-3253-05	ELECTRO 1UF 50WV		
C41 ,42			CC73FCH1H221J	CHIP C 220PF J		
C43			CK73FB1H102K	CHIP C 1000PF K		
C44 -46			CK73FF1C105Z	CHIP C 1.0UF Z		
C201,202			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C203,204			CE04LW1V100M	ELECTRO 10UF 35WV		
C205,206			CE04LW1HR22M	ELECTRO 0.22UF 50WV		
C207,208			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C209,210			CF92FV1H105J	MF 1.0UF J		
C211,212			CF92FV1H333J	MF 0.033UF J		
C213,214			CF92FV1H104J	MF 0.10UF J		
C215,216			CC45FSL1H101J	CERAMIC 100PF J	TEG	
C217,218			CC73FSL1H681J	CHIP C 680PF J		
C219,220			CC45FSL1H470J	CERAMIC 47PF J		
C221,222			CE04LW1A331M	ELECTRO 330UF 10WV	TEG	
C223,224			CK45FB1H152K	CERAMIC 1500PF K		
C251			CK73FB1E823K	CHIP C 0.082UF K		
C252			CK73FSL1H681J	CHIP C 680PF J		
C253,254			CE04LW1V220M	ELECTRO 22UF 35WV		
C255,256			CK73FF1C105Z	CHIP C 1.0UF Z		
C257			CK73FB1E104K	CHIP C 0.10UF K		
C258			CK73FB1H222K	CHIP C 2200PF K		
C259,260			CK73FB1H223K	CHIP C 0.022UF K		
C261			CK73FB1H102K	CHIP C 1000PF K		
C262			CK73FB1H682K	CHIP C 6800PF K		
C263			CK73FB1E563K	CHIP C 0.056UF K		
C264			CK73FB1H682K	CHIP C 6800PF K		
C265			CK73FB1E563K	CHIP C 0.056UF K		
C266			CE04LW1V470M	ELECTRO 47UF 35WV		
C267			CE04LW1C101M	ELECTRO 100UF 16WV		
C268			CE04LW1H471M	ELECTRO 470UF 50WV		
C269,270			CC73FCH1H221J	CHIP C 220PF J		
C271-274			CK73FF1C105Z	CHIP C 1.0UF Z		
CN5		*	E40-4725-05	FLAT CABLE CONNECTOR		
CN6		*	E40-4729-05	FLAT CABLE CONNECTOR		
L1 ,2			L40-1011-17	SMALL FIXED INDUCTOR(100UH,K)		
X1			L78-0605-05	RESONATOR (8.38MHZ)		
X2			L77-2111-05	CRYSTAL RESONATOR(32.768KHZ)		
R100			RS14KB3D182J	FL-PROOF RS 1.8K J 2W		
R171,172			RS14KB3A221J	FL-PROOF RS 220 J 1W		
R254			RD14NB2E150J	RD 15 J 1/4W		
R257			RD14NB2E101J	RD 100 J 1/4W		
W210			R92-0670-05	CHIP R 0 OHM		
S1 -17	1G,1H		S40-1064-05	PUSH SWITCH		
S19 -30	1G,1H		S40-1064-05	PUSH SWITCH		
S31	1H		T99-0548-05	SPEED DETECTOR		

L:Scandinavia

K:USA

P:Canada

R:Mexico

S : SINGAPORE MADE

A : A DECK

Y:PX(Far East, Hawaii)

T:England

E:Europe

G:Germany

W : MALAYSIA MADE

B : B DECK

Y:AAFES(Europe)

X:Australia

M, I:Other Areas

A indicates safety critical components.

RXD-C3/C3L

PARTS LIST

\* New Parts

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Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

#### No.4

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
D3			HZS2.7N(B2)	ZENER DIODE		
D3			RD2.7ES(B2)	ZENER DIODE		
D4			HZS5.6N(B2)	ZENER DIODE		
D4			RD5.6ES(B2)	ZENER DIODE		
D5			HSS104A	DIODE		
D5			1SS131	DIODE		
D7			HSS104A	DIODE		
D7			1SS131	DIODE		
D8		*	MA111	DIODE		
D9 -18		*	HSS104A	DIODE		
D9 -18			1SS131	DIODE		
D20 ,21			HSS104A	DIODE		
D20 ,21			1SS131	DIODE		
D38 ,39		*	MA111	DIODE	YM	
D39 -41		*	MA111	DIODE	X	
D41		*	MA111	DIODE	KRPYMT	
D41		*	MA111	DIODE	EG	
D42			HSS104A	DIODE		
D42			1SS131	DIODE	TEG	
D43		*	MA111	DIODE		
D44			HZS5.6N(B2)	ZENER DIODE		
D44			RD5.6ES(B2)	ZENER DIODE		
D45		*	MA111	DIODE		
D51 -58		*	MA111	DIODE		
ED1		*	FIP8QHW5R	INDICATOR TUBE		
IC1		*	M38197MA-077FP	MOS-IC		
IC2		*	M66310FP	MOS-IC		
IC3		*	XR-1091ECP	IC(GE FILTER)		
IC4		*	BA10393F	IC		
IC5		*	S-80740AL	IC(VOLTAGE DETECTOR)		
IC201		*	UPC1853CT-02	ANALOG IC		
IC202		*	NJM4565M	IC(OP AMP X2)		
Q1			2SC2412K	TRANSISTOR	YM	
Q2			2SA1037K	TRANSISTOR		
Q3 -6			2SC2412K	TRANSISTOR		
Q9 -16			2SA1037K	TRANSISTOR		
Q17 ,18			DTC124EU	DIGITAL TRANSISTOR		
Q201,202			2SC2878(B)	TRANSISTOR		
Q203-206			2SC1845(F,E)	TRANSISTOR		
Q207,208			2SA992(F,E)	TRANSISTOR		
A1			W02-1046-05	ELECTRIC CIRCUIT MODULE		
A1			W02-1174-05	ELECTRIC CIRCUIT MODULE		
<b>RECORD/PLAYBACK UNIT(X28-2620-00)</b>						
C1 ,2			CK45FB1H471K	CERAMIC 470PF K		
C5 ,6			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C7 ,8			CK45FB1H391K	CERAMIC 390PF K		
C9 ,10			CQ92FM1H223J	MYLAR 0.022UF J		
C11 ,12			CE04LW1C470M	ELECTRO 47UF 16WV		
C13			CE04LW1C101M	ELECTRO 100UF 16WV		
C14		*	CQ93HP2A822J-G	MYLAR 8200PF J		
C15 -18			CC45FSL1H221J	CERAMIC 220PF J		
C19		*	CK45FB2H471K-G	CERAMIC 470PF K		
C20			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C21 ,22			CK45FB1H332K	CERAMIC 3300PF K		

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M, I:Other Areas

△ indicates safety critical components.

\* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

#### No.5

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C23			CK45FF1H103Z	CERAMIC 0.010UF Z		
C24			CK45FB1H102K	CERAMIC 1000PF K		
C51 ,52			CC45FSL1H221J	CERAMIC 220PF J		
C53 ,54			CK45FB1H471K	CERAMIC 470PF K		
C55 ,56			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C57 ,58			CK45FB1H391K	CERAMIC 390PF K		
C59 ,60			CE04LW1C470M	ELECTRO 47UF 16WV		
C61 ,62			CQ92FM1H153J	MYLAR 0.015UF J		
C63			CE04LW1C101M	ELECTRO 100UF 16WV		
C64			CK45FB1H102K	CERAMIC 1000PF K		
CN3			E40-4163-05	FLAT CABLE CONNECTOR		
CN6			E40-4155-05	FLAT CABLE CONNECTOR		
J1 ,2			J11-0098-05	WIRE CLAMPER		
L1 ,2			L40-1035-20	SMALL FIXED INDUCTOR(10MH,J)		
L3			L32-0542-05	BIAS OSCILLATING COIL		
VR1			R12-3685-05	TRIMMING POT.(10K 7e)		
VR2			R12-3686-05	TRIMMING POT.(22K 7e)		
VR3 ,4			R12-0605-05	TRIMMING POT.(220 7e)		
VR5 ,6		*	R12-5086-05-G	TRIMMING POT.(100K 7e)		
VR7			R12-3685-05	TRIMMING POT.(10K 7e)		
VR8			R12-3686-05	TRIMMING POT.(22K 7e)		
VR9 ,10			R12-0606-05	TRIMMING POT.(330 7e)		
K1			S51-2089-05	MAGNETIC RELAY		
K1		*	S76-0018-05-G	MAGNETIC RELAY		
D7 -9			HSS104	DIODE		
D7 -9			1SS133	DIODE		
D54 ,55			HSS104	DIODE		
D54 ,55			1SS133	DIODE		
IC1 ,2		*	TA8125S-G	IC(2CH PRE AMP)		
Q1 ,2		*	2SC3246-G	TRANSISTOR		
Q3 ,4			2SC1845(F,E)	TRANSISTOR		
Q5			2SA992(F,E)	TRANSISTOR		
Q6			2SA1175(F,E)	TRANSISTOR		
Q6			2SA933S(Q,R)	TRANSISTOR		
Q7			2SC1740S(Q,R)	TRANSISTOR		
Q7			2SC2785(F,E)	TRANSISTOR		
Q8			DTC124ES	DIGITAL TRANSISTOR		
Q8			UN4212	TRANSISTOR		
Q9 -12			2SC1740S(Q,R)	TRANSISTOR		
Q9 -12			2SC2785(F,E)	TRANSISTOR		
Q13 ,14		*	2SC3246-G	TRANSISTOR		
Q15			2SA1175(F,E)	TRANSISTOR		
Q15			2SA933S(Q,R)	TRANSISTOR		
Q16			2SC1740S(Q,R)	TRANSISTOR		
Q16			2SC2785(F,E)	TRANSISTOR		
Q17 -19			DTC124ES	DIGITAL TRANSISTOR		
Q17 -19			UN4212	TRANSISTOR		
<b>MAIN UNIT-TUNER(X29-2482-70) : E, T, G TYPE</b>						
C1 ,2			CK73FB1H103K	CHIP C 0.010UF K		
C4			CE04LW1C470M	ELECTRO 47UF 16WV		
C5			CK73FB1H223K	CHIP C 0.022UF K		
C6			CK73FB1E473K	CHIP C 0.047UF K		

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△ indicates safety critical components.

PARTS LIST

RXD-C3/C3L

\* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

## No.6

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C7 C8 C9 C10 C11			CE04LW1H3R3M CK73FB1H682K CK73FB1H103K CC73FCH1H330J CE04LW1V100M	ELECTRØ 3.3UF 50WV CHIP C 6800PF K CHIP C 0.010UF K CHIP C 33PF J ELECTRØ 10UF 35WV		
C12 C13 C14 C21 ,22 C23			CE04LW1H010M CE04LW1HR33M CE04LW1H010M CK73FB1H682K CE04LW1V100M	ELECTRØ 1.0UF 50WV ELECTRØ 0.33UF 50WV ELECTRØ 1.0UF 50WV CHIP C 6800PF K ELECTRØ 10UF 35WV		
C25 C27 C28 C31 C32			CE04LW1V100M CE04LW1V100M CK73FB1E473K CE04LW1A470M CK73FB1H103K	ELECTRØ 10UF 35WV ELECTRØ 10UF 35WV CHIP C 0.047UF K ELECTRØ 47UF 10WV CHIP C 0.010UF K		
C33 C34 C35 -38 C39 C40			CC73FCH1H270J CC73FCH1H220J CK73FB1H471K CE04LW1C470M CQ92FM1H223J	CHIP C 27PF J CHIP C 22PF J CHIP C 470PF K ELECTRØ 47UF 16WV MYLAR 0.022UF J		
C41 C42 ,43 C47 ,48 C50 C51			CE04HW1H2R2M CK73FB1H103K CE04LW1H0R1M CK73FB1H103K CE04LW1H010M	NP-ELEC 2.2UF 50WV CHIP C 0.010UF K ELECTRØ 0.1UF 50WV CHIP C 0.010UF K ELECTRØ 1.0UF 50WV		
C52 C57 C65 C66 C107			CE04LW1C470M CC73FCH1H220J CE04LW1H010M C91-0769-05 CK73FB1E473K	ELECTRØ 47UF 16WV CHIP C 22PF J ELECTRØ 1.0UF 50WV CERAMIC 0.01UF K CHIP C 0.047UF K		
C151 C182			CK73FB1E104K CC73FSL1H150J	CHIP C 0.10UF K CHIP C 15PF J		
J1			E20-0321-05	LOCK TERMINAL BOARD		
J2		*	F10-0921-14	SHIELDING PLATE		
CF1 ,2 L1 ,2 L3 L5 L7			L72-0536-05 L40-1091-17 L30-0498-05 L79-0125-05 L30-0911-05	CERAMIC FILTER SMALL FIXED INDUCTØR FM IFT LC FILTER AM IFT		
L10 L103 L106 X1 X2		*	L40-1091-17 L39-1325-05 L40-1091-17 L77-1122-05 L78-0295-05	SMALL FIXED INDUCTØR COMBINATION COIL SMALL FIXED INDUCTØR CRYSTAL RESONATOR(7.2MHZ) RESONATOR (456KHZ)		
R11 R31 R42 R111 VR1			RD14NB2E470J RS14KB3D221J RD14NB2E101J RD14NB2E470J R12-3686-05	RD 47 J 1/4W FL-PROOF RS 220 J 2W RD 100 J 1/4W RD 47 J 1/4W TRIMMING POT.(22K 7b)		
VR2 VR3			R12-3685-05 R12-1619-05	TRIMMING POT.(10K 7b) TRIMMING POT.(4.7K 7b)		
D3			HZSS.1N(B2)	ZENER DIODE		

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## No.7

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
D3 D4 D4 D5 D5			RD5.1ES(B2) HZS3.3N(B2) RD3.3ES(B2) HSS104 1SS133	ZENER DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D111,112 D111,112 IC1 IC2 Q1			HSS104 1SS133 LA1851N LC7218 2SC2714(R,Ø)	DIODE DIODE IC(AM,FM TUNER) IC(PLL SYNTHESIZER) TRANSISTØR		
Q2 Q3 ,4 Q5 Q7 Q102,103			2SC1845(F,E) 2SC2412K 2SA1037K 2SC2412K 2SA1037K	TRANSISTØR TRANSISTØR TRANSISTØR TRANSISTØR TRANSISTØR		
Q109,110 Q111 Q113,114 Q116			2SD1757K 2SA1037K 2SC2412K 2SC2412K	TRANSISTØR TRANSISTØR TRANSISTØR TRANSISTØR		
A1			W02-1166-15	FM FRONT-END ASSY		
MAIN UNIT-TUNER(X29-249X-XX) : K, P, Y, M, X, R, I TYPE						
C1 ,2 C4 C5 C8 C10			CK73FB1H103K CE04LW1A470M CK73FB1H103K CK73FB1H103K CK73FB1H102K	CHIP C 0.010UF K ELECTRØ 47UF 10WV CHIP C 0.010UF K CHIP C 0.010UF K CHIP C 1000PF K		
C11 C13 C14 C21 ,22 C21 ,22			CE04LW1H4R7M CE04LW1H010M CE04LW1H2R2M CQ92FM1H163J CQ92FM1H243J	ELECTRØ 4.7UF 50WV ELECTRØ 1.0UF 50WV ELECTRØ 2.2UF 50WV MYLAR 0.016UF J MYLAR 0.024UF J	YMX KRP	
C23 C24 C25 C27 C28			CE04LW1H010M CE04LW1H3R3M CE04LW1V100M CK73FB1E473K CE04LW1V100M	ELECTRØ 1.0UF 50WV ELECTRØ 3.3UF 50WV ELECTRØ 10UF 35WV CHIP C 0.047UF K ELECTRØ 10UF 35WV		
C31 C32 C33 C34 C35 -38			CE04LW1A470M CK73FB1H103K CC73FCH1H270J CC73FCH1H220J CK73FB1H471K	ELECTRØ 47UF 10WV CHIP C 0.010UF K CHIP C 27PF J CHIP C 22PF J CHIP C 470PF K		
C39 C40 C41 C42 ,43 C50			CE04LW1C470M CK73FB1H223K CE04LW1H010M CK73FB1H103K C91-0769-05	ELECTRØ 47UF 16WV CHIP C 0.022UF K ELECTRØ 1.0UF 50WV CHIP C 0.010UF K CERAMIC 0.01UF K		
C51 C52 C57 C61 C62			CE04LW1H010M CE04LW1C470M CC73FCH1H220J CK73FB1H103K CE04LW1C101M	ELECTRØ 1.0UF 50WV ELECTRØ 47UF 16WV CHIP C 22PF J CHIP C 0.010UF K ELECTRØ 100UF 16WV		
C65 C66 C71			CE04LW1H010M CK73FB1H103K CE04LW1V100M	ELECTRØ 1.0UF 50WV CHIP C 0.010UF K ELECTRØ 10UF 35WV		

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RXD-C3/C3L

PARTS LIST



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No.8

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C72 C103-106 C107 C112 C114			CE04LW1C470M CE04LW1HR47M CK73FB1E473K CC73FSL1H101J CK73FB1H681K	ELECTRØ 47UF 16WV ELECTRØ 0.47UF 50WV CHIP C 0.047UF K CHIP C 100PF J CHIP C 680PF K		
C116 C117 C118 C119 C121,122			CC73FSL1H101J CK73FB1H681K CK73FB1H103K CC73FSL1H101J CE04LW1C470M	CHIP C 100PF J CHIP C 680PF K CHIP C 0.010UF K CHIP C 100PF J ELECTRØ 47UF 16WV		
C135,136 C182			CQ92FM1H682J CC73FSL1H150J	MYLAR 6800PF J CHIP C 15PF J	YM	
J1	1H		E20-0476-05	LOCK TERMINAL BOARD(4P)		
J2		*	F10-0945-04	SHIELDING PLATE		
CF1,2 CF3 L7 L10 L11		*	L72-0531-05 L72-0574-05 L30-0911-05 L40-1091-17 L40-1021-14	CERAMIC FILTER CERAMIC FILTER AM IPT SMALL FIXED INDUCTØR SMALL FIXED INDUCTØR(1.0MH,K)		
L12 L103 L106 X1 X2			L40-1091-17 L39-1328-05 L40-1091-17 L77-1122-05 L78-0295-05	SMALL FIXED INDUCTØR COMBINATION COIL SMALL FIXED INDUCTØR CRYSTAL RESONATOR(7.2MHZ) RESONATOR (456KHZ)		
R11 R31 R42 R111 R127,128			RS14KB3A820J RS14KB3D221J RD14NB2E101J RD14NB2E470J RD14NB2E101J	FL-PROOF RS 82 J 1W FL-PROOF RS 220 J 2W RD 100 J 1/4W RD 47 J 1/4W RD 100 J 1/4W		
S101			S62-0034-05	SLIDE SWITCH	YM	
D3 D3 D4 D4 D7			HZS5.1N(B2) RD5.1ES(B2) HZS3.3N(B2) RD3.3ES(B2) MA110	ZENER DIØDE ZENER DIØDE ZENER DIØDE ZENER DIØDE DIØDE		
D8 D8 D11 D11 D111,112			HSS104 1SS133 HZS8.2N(B2) RD8.2ES(B2) MA110	DIØDE DIØDE ZENER DIØDE ZENER DIØDE DIØDE		
IC1 IC2 IC12 Q1 Q2		*	LA1831A-KEN LC7218 NJM4565D 2SC2714(R,Ø) 2SC1845(F,E)	ANALØG IC IC(PLL SYNTHESIZER) IC(OP AMP X2) TRANSISTØR TRANSISTØR		
Q3 Q3 Q7 Q11 Q102			2SC1740S(Q,R) 2SC2785(F,E) 2SC2412K 2SD863(E,F) 2SA1037K	TRANSISTØR TRANSISTØR TRANSISTØR TRANSISTØR TRANSISTØR		
Q104 Q107,108			2SA1037K 2SC2412K	TRANSISTØR TRANSISTØR	YM	

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No.9

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
Q109,110 Q111			2SD1757K 2SA1037K	TRANSISTØR TRANSISTØR		
MAIN UNIT-EXCEPT TUNER(X29-25XX-XX)						
C201 C202 C203 C204 C205			CE04LW1V100M CE04LW1A470M CC73FCH1H330J CK73FB1E104K CE04HW1H010M	ELECTRØ 10UF 35WV ELECTRØ 47UF 10WV CHIP C 33PF J CHIP C 0.10UF K NP-ELEC 1.0UF 50WV		
C206 C207 C208 C209 C210			CE04LW0J471M CE04HW1H010M CC73FSL1H101J CK73FB1H273K CK73FB1H681K	ELECTRØ 470UF 6.3WV NP-ELEC 1.0UF 50WV CHIP C 100PF J CHIP C 0.027UF K CHIP C 680PF K		
C211 C212 C213 C214 C215			CK73FB1H222K CK73FB1H331K CC73FSL1H331J CE04LW1H010M CK73FB1E104K	CHIP C 2200PF K CHIP C 330PF K CHIP C 330PF J ELECTRØ 1.0UF 50WV CHIP C 0.10UF K		
C216 C217,218 C219 C220 C221,222			CK73FB1H332K CK73FB1E104K CK73FB1H273K CK73FB1H153K CE04LW1A101M	CHIP C 3300PF K CHIP C 0.10UF K CHIP C 0.027UF K CHIP C 0.015UF K ELECTRØ 100UF 10WV		
C223 C224 C225,226 C227 C228,229			CK73FB1C224K CK73FB1E104K CK73FB1H472K CK73FB1H102K CK73FB1H223K	CHIP C 0.22UF K CHIP C 0.10UF K CHIP C 4700PF K CHIP C 1000PF K CHIP C 0.022UF K		
C230,231 C232 C233 C234 C235			CE04HW1HR33M CK73FB1E104K CE04LW1A101M CK73FB1E104K CE04LW1A101M	NP-ELEC 0.33UF 50WV CHIP C 0.10UF K ELECTRØ 100UF 10WV CHIP C 0.10UF K ELECTRØ 100UF 10WV		
C236 C237 C240,241 C242,243 C244,245			CK73FB1E104K CE04LW1A331M CC73FSL1H102J CC73FSL1H151J CE04LW1H2R2M	CHIP C 0.10UF K ELECTRØ 330UF 10WV CHIP C 1000PF J CHIP C 150PF J ELECTRØ 2.2UF 50WV		
C246 C247 C248 C249 C250,251			CE04LW1A470M CE04LW0J331M CE04LW1A101M CK73FF1C105Z CK73FB1H103K	ELECTRØ 47UF 10WV ELECTRØ 330UF 6.3WV ELECTRØ 100UF 10WV CHIP C 1.0UF Z CHIP C 0.010UF K		
C253 C254 C255-260 C261 C262			CK73FB1E104K CK73FF1C105Z CC73FSL1H221J CE04HW1E100M CE04HW1H010M	CHIP C 0.10UF K CHIP C 1.0UF Z CHIP C 220PF J NP-ELEC 10UF 25WV NP-ELEC 1.0UF 50WV		
C401,402 C403,404 C405,406 C407-410 C411,412			CK73FB1H682K CK73FB1H393K CC73FSL1H221J CE04LW1H010M CQ92FM1H333J	CHIP C 6800PF K CHIP C 0.039UF K CHIP C 220PF J ELECTRØ 1.0UF 50WV MYLAR 0.033UF J		
C413,414			CE04LW1HR47M	ELECTRØ 0.47UF 50WV		

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PARTS LIST

RXD-C3/C3L

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## No.10

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C415, 416 C417, 418 C419, 420 C421, 422 C423, 424			CE04LW1H2R2M CE04LW1H0R1M CE04LW1V100M CE04LW1H010M CE04LW1HR47M	ELECTR0 2.2UF 50WV ELECTR0 0.1UF 50WV ELECTR0 10UF 35WV ELECTR0 1.0UF 50WV ELECTR0 0.47UF 50WV		
C425, 426 C427, 428 C429-432 C501 C502			CE04LW1A101M CE04LW1H2R2M CK73FB1H222K CE04LW1H010M CK73FB1H103K	ELECTR0 100UF 10WV ELECTR0 2.2UF 50WV CHIP C 2200PF K ELECTR0 1.0UF 50WV CHIP C 0.010UF K		
C503 C504 C506 C507 C508			CE04LW1H0R1M CE04LW1C101M CE04LW1C220M CE04LW1V100M CE04LW1H2R2M	ELECTR0 0.1UF 50WV ELECTR0 100UF 16WV ELECTR0 22UF 16WV ELECTR0 10UF 35WV ELECTR0 2.2UF 50WV		
C603, 604 C619-622 C623, 624 C625 C633, 634			CC73FSL1H221J CE04LW1H010M CE04LW1V100M CK73FB1E104K CE04LW1H220M	CHIP C 220PF J ELECTR0 1.0UF 50WV ELECTR0 10UF 35WV CHIP C 0.10UF K ELECTR0 22UF 50WV		
C635, 636 C639, 640 C643, 644 C645 C646			CQ92FM1H473J CK45FB1H222K CE04LW1C220M CK73FB1H222K CK45FB1H222K	MYLAR 0.047UF J CERAMIC 2200PF K ELECTR0 22UF 16WV CHIP C 2200PF K CERAMIC 2200PF K		
C701 C702-704 C705 C706, 707 C708			CE04LW1C470M CC73FSL1H221J CE04LW1V100M CE04LW1C470M CC73FSL1H102J	ELECTR0 47UF 16WV CHIP C 220PF J ELECTR0 10UF 35WV ELECTR0 47UF 16WV CHIP C 1000PF J		
C710 C711 C712 C713 C714			CE04HW1A470M CE04LW1H100M CE04LW1H101M CE04LW1H2R2M CE04LW1V470M	NP-ELEC 47UF 10WV ELECTR0 10UF 50WV ELECTR0 100UF 50WV ELECTR0 2.2UF 50WV ELECTR0 47UF 35WV		
C715, 716 C717 C718 C719, 720 C721, 722			C90-3541-05 CE04LW1H471M CE04LW1V330M CQ92FM1H104J CE04LW1C470M	ELECTR0 3300UF 40WV ELECTR0 470UF 50WV ELECTR0 33UF 35WV MYLAR 0.10UF J ELECTR0 47UF 16WV		
C723 C725 C726 C727 C728, 729			CE04LW1V332M CE04LW1C470M CE04LW1C471M CE04LW1E222M CQ92FM1H104J	ELECTR0 3300UF 35WV ELECTR0 47UF 16WV ELECTR0 470UF 16WV ELECTR0 2200UF 25WV MYLAR 0.10UF J		
C730 C731, 732 C733, 734 C736 C737			CE04LW1A470M CK45FF1H103Z CE04LW1C470M CE04LW1V100M CE04LW1C101M	ELECTR0 47UF 10WV CERAMIC 0.010UF Z ELECTR0 47UF 16WV ELECTR0 10UF 35WV ELECTR0 100UF 16WV		
C738 C740 C741 C742 C743			CE04LW1C470M CE04HW1H2R2M CC73FSL1H221J CE04LW1H010M CE04HW1E4R7M	ELECTR0 47UF 16WV NP-ELEC 2.2UF 50WV CHIP C 220PF J ELECTR0 1.0UF 50WV NP-ELEC 4.7UF 25WV		

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⚠ indicates safety critical components

\* New Parts

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## No.11

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C744 C745 C746 C747 C748-751			CC73FSL1H102J CE04LW1E470M CC73FCH1H220J CK73FB1H222K CQ92FM1H104J	CHIP C 1000PF J ELECTR0 47UF 25WV CHIP C 22PF J CHIP C 2200PF K MYLAR 0.10UF J		
C752 C753 C754 C757, 758 C759			CE04LW1C470M CE04LW1A101M CK73FB1H103K CQ92FM1H104J C91-1488-05	ELECTR0 47UF 16WV ELECTR0 100UF 10WV CHIP C 0.010UF K MYLAR 0.10UF J MF 6800PF 250VAC		
C760			CK45FF1H103Z	CERAMIC 0.010UF Z		
J601 J602 J603 J604	1I 2H 2H 1I	*	E63-0115-05 E11-0220-05 E11-0209-05 E70-0045-05	PHONE JACK MINIATURE PHONE JACK PHONE JACK LOCK TERMINAL BOARD		
⚠ F1 ⚠ F1 -3 ⚠ F2 ,3 ⚠ F4 ⚠ F4	3I 3I 3I 3I 3I		F06-2021-05 F05-4028-05 F05-4025-05 F05-1623-05 F05-1628-05	FUSE (SEMK0) (250V T2AL) FUSE (UL) (125V 4A) FUSE (SEMK0) (250V T4A) FUSE (SEMK0) (250V T1.6A) FUSE (UL) (250V 1.6A)	YMX KRP YMX YMX KRP	
⚠ F5 ⚠ F5 ⚠ F6	3I 3I 3I		F04-1026-05 F06-1022-05 F06-2021-05	FUSE (UL) (250V 1A) FUSE (SEMK0) (250V T1AL) FUSE (SEMK0) (250V T2AL)	KRP YMX YM	
CN601-606 CN601-608 CN613-616 J607, 608			J13-0075-05 J13-0075-05 J13-0075-05 J11-0098-05	FUSE CLIP FUSE CLIP FUSE CLIP WIRE CLAMPER	KRPX YM	
L201 L202 L401, 402 L403, 404 X201			L40-1001-17 L40-1091-17 L79-1201-05 L40-1035-20 L78-0299-05	SMALL FIXED INDUCTOR(100H,K) SMALL FIXED INDUCTOR(10H, K) LC FILTER SMALL FIXED INDUCTOR(10MH, J) RESONATOR		
X202			L78-0605-05	RESONATOR (8.38MHZ)		
R524 R675-678 R679-682 R685, 686 R689-692			RD14NB2E100J RD14NB2E100J RS14KB3DR22J RS14KB3A4R7J RD14NB2E102J	RD 10 J 1/4W RD 10 J 1/4W FL-PROOF RS 0.22 J 2W FL-PROOF RS 4.7 J 1W RD 1.0K J 1/4W		
R701 R703 R704 R706 R730			RD14NB2E101J RD14NB2E010J RD14NB2E151J RD14NB2E100J RS14KB3D1R0J	RD 100 J 1/4W RD 1.0 J 1/4W RD 150 J 1/4W RD 10 J 1/4W FL-PROOF RS 1.0 J 2W		
R733 R736 R748 R765 R772			RD14NB2E222J RD14NB2E101J RD14GB2E101J RS14KB3D330J RD14NB2E101J	RD 2.2K J 1/4W RD 100 J 1/4W FL-PROOF RD 100 J 1/4W FL-PROOF RS 33 J 2W RD 100 J 1/4W		
⚠ R787 VR201 VR601 VR602 W52	2H 1H	*	R92-1769-05 R12-3688-05 R31-0003-05 R31-0002-05 R92-0670-05	CARBON 3.3M J 1/2W TRIMMING POT.(47K 7b) VARIABLE RESISTOR VARIABLE RESISTOR CHIP R 0 0HM	KRP	

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RXD-C3/C3L

PARTS LIST

※ New Parts

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## No.12

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
W221 W601-619 W632,633 W635,636 W637			R92-0670-05 R92-0670-05 R92-0670-05 R92-0679-05 R92-0670-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM		
△ K601 S601	2I		S51-2094-05 S31-2322-05	MAGNETIC RELAY SLIDE SWITCH	YM	
D201-209 D501 D501 D502 D502			MA110 HSS104 1SS133 HZS5.1N(B2) RDS.1ES(B2)	DIODE DIODE DIODE ZENER DIODE ZENER DIODE		
D601,602 D601,602 D603 D603 D604			HSS104 1SS133 D35BA20F03 RBV-402LFA HSS104A	DIODE DIODE DIODE DIODE DIODE		
D604 D605 D605 D606 D607-610			1SS131 S56888 1SR139-100 KBP02ML-6127 S56888	DIODE DIODE DIODE DIODE DIODE		
D607-610 D611,612 D611,612 D613 D613			1SR139-100 HSS104 1SS133 HZS6.8N(B2) RDS.8ES(B2)	DIODE DIODE DIODE ZENER DIODE ZENER DIODE		
D614 D614 D615,616 D615,616 D617			HZS16N(B2) RD16ES(B2) HZS13N(B2) RD13ES(B2) HZS2.7N(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D617 D618 D618 D619,620 D619,620			RD2.7ES(B2) HZS6.8N(B2) RD6.8ES(B2) HSS104 1SS133	ZENER DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D621 D621 D622-629 D630,631 D630,631			HZS3.9N(B2) RD3.9ES(B2) MA110 S56888 1SR139-100	ZENER DIODE ZENER DIODE DIODE DIODE DIODE		
D632,633 D634 D634 D635,636 D640			MA110 HZS5.1N(B2) RDS.1ES(B2) MA110 HZS10N(B2)	DIODE ZENER DIODE ZENER DIODE DIODE ZENER DIODE		
D641-643 D641-643 IC201 IC202 IC203			HSS104 1SS133 AN8806SB BA6398FP MN66271RA	DIODE DIODE ANALOG IC ANALOG IC MOS-IC		
IC204 IC205,206		*	UPD78012BGC-634 TA8409S	MI-COM IC IC(MOTOR CONTROL)		

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※ New Parts

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Teile ohne Parts No. werden nicht geliefert.

## No.13

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
IC207 IC401 IC601 IC602 IC604		*	NJM2100M HA12182NT NJU7313AM CXA1642M NJM4565M	IC(OP AMPLIFIER) IC(DOLBY B NR REC EQUALIZER) ANALOG IC ANALOG IC IC(OP AMP X2)		
IC605 IC606 Q201 Q202 Q203			TA78057S NJM4565M 2SA1534A(R,S) 2SA954(L,K) 2SC2412K	IC(VOLTAGE REGULATOR/+5.75V) IC(OP AMP X2) TRANSISTOR TRANSISTOR TRANSISTOR		
Q401,402 Q403-406 Q503 Q504 Q505			DT124EU 2SD1757K DTA124ES 2SC2412K 2SC3940A(R,S)	DIGITAL TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR		
Q506 Q507 Q513 Q601,602 Q603,604			DTA124ES DT124ES 2SC2412K 2SC4137(V,W) 2SD2493	DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q605,606 Q607,608 Q609 Q611 Q612,613		*	2SB1624 2SC1845(F,E) 2SD1893 2SC3246(H,J) 2SC2412K	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q614 Q615-617 Q618 Q619 Q620			2SA954(L,K) 2SA1037K 2SD2012 2SA933S(Q,R) 2SD2012	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q621,622 Q623 Q624 Q625,626			2SC2412K 2SA933S(Q,R) 2SD2012 2SC2412K	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
A1		*	W02-1190-05	FM FRONT-END ASSY		
<b>CD MECHANISM ASSY(D40-1350-05)</b>						
101 102	2B 3A	*	A10-3119-08 A15-0084-08	CHASSIS (MAIN) FRAME (MD)		
105 107 108 109 110	2A 2B 2A 1B 2A	*	D10-3457-08 D10-3459-08 D10-3460-08 D10-3496-08 D10-3492-08	SLIDER (LIFT) LEVER (LOCK) LEVER (BRAKE) FRICTION ARM ASSY FEED SHAFT		
113 114 115 117 118	1A 2B 1B 2A 1A	*	D13-1599-08 D13-1600-08 D13-1601-08 D13-1603-08 D13-1604-08	GEAR (IDLER) GEAR (LOAD) GEAR (CENTER) CAM GEAR(UP/DOWN) GEAR (HELICAL)		
119 120 122 123 125	2A 2B 2B 1B 2B	*	D13-1643-08 D14-0361-08 D15-0366-08 D16-0363-08 D21-1762-08	GEAR ROLLER (TRAY) PULLEY (LOAD) DRIVE BELT SHAFT (PULLEY)		

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PARTS LIST

RXD-C3/C3L

\* New Parts

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## No.14

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
130	3B	*	E32-0343-04	TERMINAL		
131	3A	*	E35-0806-08	8P WIRE (TU-A)		
132	3A	*	E35-0807-08	8P WIRE (TU-B)		
133	3B	*	E35-0808-08	6P WIRE		
134	2A	*	E35-0809-08	6P PRAT WIRE		
135	3A	*	E35-0810-08	6P WIRE (TU-C)		
136	2A	*	E35-0811-08	3P WIRE		
137	3A	*	E40-3264-05	CONNECTOR		
140	1A	*	F07-0732-08	COVER (TRAY)		
141	3B	*	F07-0736-08	COVER		
144	2A, 3A	*	G01-3693-08	COMPRESSION SPRING		
145	3A	*	G01-3660-08	SPRING (MD-A)		
146	3A	*	G01-3661-08	SPRING (MD-B)		
148	3A	*	G01-3663-08	SPRING (CAM)		
149	2B	*	G01-3664-08	SPRING (LOCK)		
150	2A	*	G01-3665-08	SPRING (BRAKE)		
152	1A, 1B	*	G16-0821-04	SHEET (TRAY)		
155	2A	*	J02-1101-08	INSULATOR		
156	1B	*	J11-0301-08	CLAMPER		
157	1B	*	J19-3659-08	BRACKET (CLAMP)		
158	1B	*	J19-3660-08	BRACKET (GEAR)		
159	2B	*	J19-3661-08	BRACKET (TRAY)		
160	3A	*	J61-0081-05	SK BINDER SKB-100		
161	1A	*	J99-0541-08	TRAY (SLIDE)		
162	1A	*	J99-0542-08	TRAY (ROTARY)		
163	3A	*	J70-0619-08	MOTOR PCB		
164	1B	*	J90-0818-08	CENTER RING		
L		*	N09-3052-08	SCREW		
M		*	N09-3053-08	SCREW		
N		*	N09-3107-08	SCREW		
165	1B	*	S33-2061-05	LEVER SWITCH		
166	2A, 2B	*	S64-0015-08	LEVER SWITCH JPS1220-0201		
167	3A	*	S74-0038-08	LEAF SWITCH		
170	1B	*	T50-1055-04	Yoke		
171	1B	*	T99-0544-05	MAGNET		
DM	3A	*	A11-1038-08	TT CHASSIS ASSY		
FM	3A	*	T42-0676-08	MOTOR GEAR (FEED)		
LM	3B	*	T42-0682-08	MOTOR PULLEY ASSY		
PU	3A	*	T25-0011-05	PICKUP (KSS-210A)		
RTM	2A	*	T42-0683-08	MOTOR WORM ASSY		
<b>CASSETTE MECHANISM ASSY(D40-134X-XX)</b>						
401	2C	*	A10-3174-08	HEAD CHASSIS		
405	2E	*	D01-0175-08	FLYWHEEL (R) ASSY		
406	1D	*	D01-0176-08	FLYWHEEL (L) ASSY		
407	1C	*	D10-3468-08	INTER LOCK ARM (L) (A MECHA)		
408	2D	*	D10-3469-08	INTER LOCK ARM (R) (B MECHA)		
409	1E	*	D10-3470-08	SHIFT LEVER		
410	2E	*	D10-3471-08	HEAD CHANGE ARM		
411	1E	*	D10-3472-08	CAM GEAR		
412	1C	*	D10-3476-08	EJECT LEVER (L) (A MECHA)		
413	2E	*	D10-3477-08	EJECT LEVER (R) (B MECHA)		
414	2C	*	D10-3478-08	SELET LEVER		

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415	1D	*	D10-3479-08	CHASSIS OS ASSY		
416	2C	*	D10-3480-08	C/R LEVER		
420	2C	*	D13-0981-08	ROTATION GEAR		
421	1C	*	D13-1616-08	REW GEAR		
422	1C, 2D	*	D13-1617-08	REEL GEAR		
423	1D	*	D13-1618-08	IDLER GEAR		
424	2C	*	D13-1621-08	RETURN GEAR		
425	1E	*	D13-1622-08	TRIGGER ARM		
426	2D	*	D14-0367-08	PINCH ARM (R) ASSY		
427	2C	*	D14-0368-08	PINCH ARM (L) ASSY		
430	1D	*	D15-0369-08	IDLER PULLEY		
431	2E	*	D16-0375-08	DRIVE BELT		
432	2E	*	D16-0376-08	CLUTCH BELT		
433	1C, 2C	*	D19-0270-18	REEL CAP (A)		
434	1D	*	D19-0287-08	CLUTCH ARM ASSY		
440	1E	*	E35-0396-08	15P FLAT RIBBON WIRE		
441	2C	*	E35-0985-08	3P HEAD WIRE ASSY (A MECHA)		
441	2C	*	E35-0987-08	5P HEAD WIRE ASSY (B MECHA)		
442	1E	*	E35-0986-08	MOTOR WIRE		
445	1C, 2D	*	G01-3709-08	B.T SPRING		
446	1D	*	G01-3710-08	SHIFT LEVER SP		
447	1E	*	G01-3711-08	TRIGGER ARM SP		
448	2E	*	G01-3712-08	HEAD CHANGE ARM SP		
449	1C, 2E	*	G01-3713-08	EJECT SP		
450	2C	*	G01-3714-08	C/R LEVER SP		
451	2C	*	G01-3715-08	SELECT SP		
452	2C	*	G01-3716-08	SHIFT SP		
453	1C	*	G01-3717-08	INTER LOCK SP (L)		
454	2D	*	G01-3723-08	INTER LOCK SP (R)		
455	2C	*	G01-3718-08	RETURN SPR		
456	2C	*	G01-3719-08	FWD SPR		
457	2C	*	G01-3720-08	HEAD RETURN PLATE SP		
458	2D	*	G01-3721-08	BRAKE SP (R)		
459	1D	*	G01-3722-08	BRAKE SP (L)		
460	1D	*	G01-3724-08	CLUTCH ARM SPRING (B)		
461	1D	*	G01-3725-08	CLUTCH SP		
462	1D	*	G02-0913-08	PACK SPRING		
463	2C	*	G02-1043-08	AZIMUTH SPR		
465	2C	*	G11-2117-08	HEAD WIRE CLAMP		
466	1D	*	G11-2205-08	TUBE		
467	2D	*	G16-0791-08	REFLECT SEAL		
470	1E	*	J19-3652-08	CABLE HOLDER		
471	2C	*	J19-3709-08	HEAD BASE		
472	2C	*	J21-6135-08	HEAD RETURN PLATE		
473	2C	*	J21-6184-08	HEAD PLATE ASSY		
474	2C	*	J42-0183-08	REEL BUSH		
475	2D	*	J69-0086-08	FILAMENT TAPE		
AA		*	N19-1316-08	POLY WASHER		
AB		*	N19-1354-08	NYLON WASHER		
AC		*	N19-1355-08	NYLON WASHER		
AD		*	N19-1384-08	POLY WASHER		
AE		*	N19-1385-08	POLY WASHER		
AF		*	N19-1386-08	POLY WASHER		

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No.16

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AG		*	N19-1387-08	TEFRON WASHER		
AH		*	N19-1388-08	POLY WASHER		
AK			N09-2900-08	SCREW		
S			N09-1497-08	TAP TITE SCREW		
T			N09-2871-08	TAPPING SCREW		
V			N09-2876-08	HEAD SCREW		
W			N09-2901-08	BIND TAP TITE SCREW		
X		*	N09-3112-08	AZIMUTH SCREW		
Y			N19-1287-08	POLY WASHER		
Z			N19-1288-08	POLY WASHER		
480	1E, 2E	*	S74-0033-08	REC SWITCH		
481	1E, 2E	*	S74-0042-08	PLAY SWITCH		
484	1E	*	T94-0233-08	SOLENOID ASSY		
485	1E, 2E		T95-0125-08	PHOTO INTERRUPTER		
MM	1E	*	T42-0687-08	MOTOR ASSY		
PH	2H		T31-0066-08	ROTATION HEAD MK10P-AB215(A)		
RPRH			T31-0020-08	ROTATION HEAD YK56R-AA405(B)		

PARTS LIST

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W : MALAYSIA MADE

B : B DECK

Y:AAFES(Europe)

X:Australia

M, I:Other Areas

△ indicates safety critical components

# RXD-C3/C3L

## SPECIFICATIONS

### Amplifier section

#### Rated power output

32 watts per channel minimum RMS, both channels driven, at 6  $\Omega$  from 60 Hz to 20,000 Hz with no more than 0.7 % total harmonic distortion. (FTC)

#### Input sensitivity / Impedance

AUX ..... 200 mV / 47 k $\Omega$   
MIC ..... 2.7 mV / 47 k $\Omega$

#### Total harmonic distortion

..... 0.2 % (1 kHz, 1/2 rated power, 6  $\Omega$ )

#### Signal to noise ratio

AUX ..... 80 dB (IHF'66)

### FM Tuner section

Tuning frequency range ..... 87.5 MHz ~ 108 MHz

Sensitivity (IHF) ..... 13.2 dBf (1.2  $\mu$ V at 75  $\Omega$ )

### AM Tuner section

Tuning frequency range ..... 530 kHz ~ 1,700 kHz

Usable sensitivity ..... 12  $\mu$ V / (500  $\mu$ V / m)

### Cassette deck section

Track ..... 4-track, 2-channel stereo

Recording system ..... AC bias system  
(Frequency: 105 kHz)

#### Heads

A deck Playback head ..... 1

B deck Playback / recording head ..... 1

Erasing head ..... 1

#### Motors

A deck ..... 1

B deck ..... 1

Fast winding time ..... Approx. 120 seconds  
(C-60 tape)

Wow and flutter ..... 0.15 % (W.R.M.S.)

### CD player section

Laser ..... Semiconductor laser

Playing rotation ..... 200 rpm ~ 500 rpm (CLV)

Wow & Flutter ..... Unmeasurable Limit

### General

Power consumption ..... 100 W

Dimensions ..... W: 270 mm (10-5 / 8")

H: 305 mm (12")

D: 339 mm (13-3 / 8")

Weight (net) ..... 7.6 kg (16.8 lb)

#### Note:

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

## KENWOOD CORPORATION

14-6, Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150 Japan

KENWOOD SERVICE CORPORATION

P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

KENWOOD ELECTRONICS CANADA INC.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O. BOX 55-2791, Piso 6 Plaza Chase, Cl. 47 y Aquilino de la Guardia, Panama,

Republic de Panama

TRIO-KENWOOD U.K. LIMITED

Kenwood House, Dwight Road, Watford, Herts. WD1 8EB, United Kingdom

KENWOOD ELECTRONICS BENELUX N.V.

Mechelsesteenweg 418 B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrucker Str. 15, 63150 Heusenstamm, Germany

TRIO-KENWOOD FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

KENWOOD ELECTRONICS ITALIA S.p.A.

Via G. Sirtori, 7/9 20129 Milano, Italy

KENWOOD ESPANA S.A.

Bolivia, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD. (A.C.N. 001 499 074)

P.O. BOX 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

KENWOOD & LEE ELECTRONICS, LTD.

Unit 3712-3724, Level 37 Tower 1, Metroplaza, 223 Hing Fong Road,

Kwai Fong N.T. Hong Kong

KENWOOD ELECTRONICS SINGAPORE PTE LTD

No. 1 Genting Lane #07-00, Singapore, 1334